Brilliant Maths Puzzles
for 6 - 7 year olds
Revision • Consolidation • Fun

Come and join the challenge!

THE ACTIVITIES IN THIS BOOK ADDRESS MANY OUTCOMES IN THE SYLLABUS
Solution to More Graphs and Data p44
Brilliant Maths Puzzles for 6 and 7 year olds

Teacher’s Notes

Foreword
Over hundreds of years, across many lands, crosswords have combined successful learning with fun. The sense of achievement in solving a clue is surpassed only by the successful completion of the crossword itself.

Why ‘Brilliant’?
When the idea for this book first arose it was discussed with a long-serving junior primary school teacher. Would teachers of lower primary grades consider worksheets that integrated Maths, Reading, Spelling and Logical Thinking too much for their students to handle? “Oh, no, not at all,” came the reply, “the concept is just brilliant!”

The Age Range
All teachers know that in every class of children there is a wide range of abilities. So in a book catering for both 6 and 7 year olds there needs to be graded exercises, suited to younger students of moderate ability, older students who are highly capable, and all those in between. Thus, the puzzles in the book range in degree of difficulty from Easy through to Challenging and are marked thus: ★ = Easy ★★ = Medium ★★★ = Challenging

About this Book
The puzzles in this book, designed to reinforce mathematical terms, concepts and skills, provide a fun alternative to traditional maths revision activities. The book provides students with a new, effective method of consolidating maths concepts that cover the whole spectrum of the curriculum; there is a crossword to consolidate almost every Maths concept.

The puzzles have been written for 6 and 7 year olds so it is likely that some children may need concrete materials to assist them. With the clues in most crosswords in the form of mini stories the puzzles have been designed to give students practise in Maths, Reading, Writing, Spelling and Logical Thinking.

The puzzles are clearly suitable for in-class exercises but are they equally appropriate as Homework activities? Yes, most definitely. Solving puzzles of any kind is a nice way for children and their parents to spend quality learning time together.

Method of ‘Attack’
1. Photocopy puzzle and distribute to all students.
2. Spend a few minutes making sure children understand what is required and explaining what the puzzle is all about.
3. Have one student read the first clue. Then ask, “Are there any questions about that?” Do not ask for the clue’s answer.
4. Choose another student to read the next clue. And so on until all clues have been read out.

NB: Tell students that two-word answers (which are marked as such) need a hyphen.

About the Author
Ron Shaw’s 30+ educational books are used by teachers in English-speaking countries on four continents.
Ron, a graduate of Clarendon Teachers’ College (Perth) and the Australian National University (Canberra), was a senior teacher for many years before venturing into educational publishing. Ron has been accepted into membership of the Australian College of Educators, the Australian Teaching Council and the Australian Mathematical Society.

We know that your students will enjoy completing these stimulating puzzles.
Learn well. Have fun!
The Editors,
Intelligent Australia Productions

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### Contents

<table>
<thead>
<tr>
<th>Concept</th>
<th>Theme</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ordinal Numbers</td>
<td>Sports</td>
<td>4-5</td>
</tr>
<tr>
<td>Locating Numbers on a Number Line</td>
<td>n/a</td>
<td>6-7</td>
</tr>
<tr>
<td>Number Facts to 18</td>
<td>On the Farm</td>
<td>8-9</td>
</tr>
<tr>
<td>Counting by 2s, 5s and 10s</td>
<td>Patterns</td>
<td>10-11</td>
</tr>
<tr>
<td>Time: Large Units</td>
<td>Facts, Conversions etc</td>
<td>12-13</td>
</tr>
<tr>
<td>Money</td>
<td>Conversions: Notes and Coins</td>
<td>n/a</td>
</tr>
<tr>
<td>Adding and Subtracting to Twenty</td>
<td>Everyday Objects</td>
<td>16-17</td>
</tr>
<tr>
<td>Read and Print Number Words to Twenty</td>
<td>Print Numbers as Words</td>
<td>18-19</td>
</tr>
<tr>
<td>Additions and Subtractions (one digit numbers)</td>
<td>The Circus</td>
<td>20-21</td>
</tr>
<tr>
<td>More Additions and Subtractions (one digit numbers)</td>
<td>Pets</td>
<td>22-23</td>
</tr>
<tr>
<td>Mixed Operations to Twenty</td>
<td>At the Market</td>
<td>24-25</td>
</tr>
<tr>
<td>Read and Write Numerals to 1000</td>
<td>Pet Shop</td>
<td>26-27</td>
</tr>
<tr>
<td>Graphs and Data</td>
<td>Birthday Months</td>
<td>28-29</td>
</tr>
<tr>
<td>Time: Smaller Units</td>
<td>Conversions: hours &amp; mins</td>
<td>n/a</td>
</tr>
<tr>
<td>Basic Subtraction Facts</td>
<td>In the Forest</td>
<td>32-33</td>
</tr>
<tr>
<td>Mixed Number Facts</td>
<td>Swap Cards</td>
<td>34-35</td>
</tr>
<tr>
<td>Plane Shapes</td>
<td>Street Numbers</td>
<td>38-39</td>
</tr>
<tr>
<td>Place Value</td>
<td>n/a</td>
<td>38-39</td>
</tr>
<tr>
<td>Time Periods</td>
<td>n/a</td>
<td>40-41</td>
</tr>
<tr>
<td>Months of the Year</td>
<td>Birthdays</td>
<td>42-43</td>
</tr>
<tr>
<td>More Graphs and Data</td>
<td>Car Colours</td>
<td>44-45</td>
</tr>
<tr>
<td>More Additions and Subtractions (one digit numbers)</td>
<td>In My Room</td>
<td>46-47</td>
</tr>
</tbody>
</table>

**Solutions**

48-69
If I raced a turtle and a snail I’d come 1st, the turtle would be 2nd and the snail would be last.
**Across**

1. What comes after seventeenth?

2. The third boat that Amy saw was the biggest. How many boats did Amy see before she saw the biggest one?

3. If one runner beats you, you come .................... .

4. Three swimmers beat Teddy in his race. This means Teddy came .................... .

5. What comes after sixth?

6. Jamie got the second best score. How many children scored higher than Jamie?

7. Just before tenth is .................... .

8. This comes just before twenty-second. *hyphen*


10. The elephants were walking in a line and the baby elephant was fourth. How many elephants were in front of the baby one?

11. If there are six swimmers in a race, the one who comes sixth finishes .................... .

12. What comes before eleventh?

---

**Down**

3. If Monday is the sixteenth day of the month what day of the month is Tuesday (the next day)?

6. Jamie got the second best score. How many children scored higher than Jamie?


12. What comes before eleventh?

---

*What comes after ninety ninth?*

*One hundredth.*
Write the number line’s missing numbers in the puzzle.
(some need a hyphen)

Solution to Mixed Number Facts p34
What’s better, 0 or 100?

If you’re talking about cages, 0.
If you’re talking about peanuts, 100.

Across

1. The number at N is ...
   *hyphen*

2. The number at B is ...

3. The number at A is ...

4. The number at D is ...

5. The number at L is ...
   *hyphen*

6. The number at E is ...

7. The number at C is ...

8. The number at F is ...

9. The number at G is ...

10. The number at K is ...

11. The number at I is ...
   *hyphen*

12. The number at H is ...
   *hyphen*

13. The number at J is ...
   *hyphen*

Down

1. The number at M is ...

2. The number at B is ...

3. The number at A is ...

4. The number at D is ...

5. The number at L is ...
   *hyphen*

6. The number at E is ...

7. The number at C is ...

8. The number at F is ...

9. The number at G is ...

10. The number at K is ...

*Solution to Basic Subtraction Facts p32*
I’d like to be able to add and subtract.
### Across

1. Shelley collected five eggs on Monday and three eggs on Tuesday. How many eggs did she collect altogether?

5. The hens laid seven eggs on Friday and nine on Saturday. How many eggs did they lay altogether?

8. Mum used eight eggs in her cooking for the week. She used six of those eggs between Monday and Friday. How many eggs did she use on the weekend?

9. There are nine hens in one coop and nine in another coop. How many hens are there altogether?

10. Shelley’s little brother collected seven eggs and her little sister collected three eggs. How many eggs did Shelley’s little brother and sister collect altogether?

13. Shelley’s Dad collected eggs on nine days. It rained on two of those days. How many days did it not rain?

14. Peter fed two of the hens. Rosanna fed seven hens. How many hens did they feed altogether?

### Down

1. Toby’s uncle has nine hens on his farm. One of the hens never lays eggs. How many hens do lay eggs?

2. Toby found eight fox footprints near the chicken coop. Then he saw another five fox footprints. How many fox footprints did Toby find?

3. Seven eggs were laid on Toby’s uncle’s farm on Thursday. Six of those eggs were used for the evening meal. How many eggs were left?

4. Toby gathered up eight eggs but he dropped one and it broke. How many eggs were left?

6. Ten of the goats on Toby’s uncle’s farm are more than a year old. The other eight goats are less than a year old. How many goats does Toby’s uncle have on his farm?

7. Toby’s aunt Mary put eight eggs in a red container and six in a green container. How many eggs did she put in the two containers?

11. Four people on the farm ate eggs on Monday and five different people ate eggs on Tuesday. How many people ate eggs on these two days?

12. Five eggs were collected and four had brown shells. How many had a white shell?
**Counting by 2s, 5s and 10s**

*Degree of difficulty*

I’m going to count how many flies I have for lunch today. Yum!

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</tbody>
</table>

**Solution to Read and Write Numerals to 1000 p26**
I feasted on 20 flies yesterday.

I had more than that just for brekkie!
I give the farmer my milk every day at the same time.
Additions and Subtractions

I make 10 litres of milk every day.

I make 70 litres of milk every week.

**Across**

1. Do 14 months make more than one year or less than one year?
2. Are 20 hours more or less than a day?
3. How many days in a week?
4. Half a year has how many months?
5. Does half an hour have twenty minutes or thirty minutes?
6. How many more months do you need to add to 11 months to get one year?
7. One week plus 4 days equals 11 __________ .
8. Twenty-one days makes __________ weeks.
9. There are twenty-four hours in a day. True or false?
10. One week plus 4 days equals 11 __________ .
11. 1. One year plus 5 months equals 17 __________ .
12. 2. Are 20 hours more or less than a day?
13. 3. __________ minutes makes one hour.
14. 4. Half a year has how many months?
15. 5. __________ hours plus 4 hours equals one day.
16. 6. Two months plus __________ months equals one year.
17. 7. How many more months do you need to add to 11 months to get one year?
18. 8. If you take four months away from one year how many months are left?
19. 9. Which is longer?
20. 10. One week plus 4 days equals 11 __________ .

**Down**

1. 1. One year plus 5 months equals 17 __________ .
2. 2. Are 20 hours more or less than a day?
3. 3. __________ minutes makes one hour.
4. 4. Half a year has how many months?
5. 5. __________ hours plus 4 hours equals one day.
6. 6. Two months plus __________ months equals one year.
7. 7. How many more months do you need to add to 11 months to get one year?
8. 8. If you take four months away from one year how many months are left?
9. 9. Which is longer?
10. 10. One week plus 4 days equals 11 __________ .
It’s wise to save your money.
Brilliant Maths Puzzles for 6 and 7 year olds

Across
2. Tom knows that two 50c pieces make one ..................
3. Jane has two $5 notes. This means she has ............. dollars altogether.
5. "If you have $5 and buy two ice-creams which cost $2 each you will have ............. dollar left," said Tim.
6. "If I have .......... 20c pieces I have $2," said Beth.
8. How many $2 coins have the same value as one $20 note?
9. "If I have a $1 coin and I buy a pencil for 30c I will get .................. cents change," said Robert.
12. How many 5c coins equal one 50c coin?
13. How many 50c coins could I swap for a $5 note and a $2 coin?
15. How many $2 coins equal one $10 note?

Down
1. A $5 note but a $2 ............ .
3. Bonnie knows that ............... 5c pieces make one dollar.
5. Jenny has eleven 10c coins. Oliver has six 20c coins. Who has the most money?
6. Dad told Amy that .......... $5 notes equal one $50 note.
7. Sam (who had no money) said, "I will have $1.40 if you give me ............. 20c coins."
10. Yvonne has a $10 note and a 50c piece. Dale has two $5 notes and two 20c pieces. Who has the most money?
11. Six 10c pieces have the same value as .............. 20c pieces.
14. Josie has two $2 coins and four 50c coins. How many dollars is this?

Solution to Adding and Subtracting to Twenty p16

Coins weigh more than notes....

...but notes are worth more.
12 icebergs plus 3 icebergs equals lots and lots and lots and lots of ice!
Across

2. Tommy had 11 marbles, Jesse had 14 marbles. How many more marbles did Jesse have?

3. Tara’s Mother had nine buttons. Then she found three more. How many buttons did Tara’s mother have now?

4. Jenny picked 4 apples from the apple tree. Holly picked 5 apples. How many apples did the girls pick altogether?

7. Billy had twenty swap cards but then he lost four. How many swap cards did he have left?

8. How much is thirteen take away twelve?

9. How much is six plus four more?

11. Father collected eighteen eggs but three broke. How many eggs were left?

12. How much is twenty take away three?

14. How many apples are left if there were twelve to start with and then eight children each ate one?

Down

1. You will get this number if you add seven to thirteen.

2. How much is two plus eight?

4. Sam took fifteen minutes to get dressed and four minutes to clean his teeth. How many minutes did Sam take altogether?

5. Joey caught 8 fish and Bobby caught 16. How many more fish than Joey did Bobby catch?

6. There are eight signs on the street but only three are yellow. How many are not yellow?

10. There are three dogs and six cats. How many animals altogether?

13. There are eleven boys and nine girls. How many more boys are there than girls?

Solution to

Time: Large Units

p12

I waddled along the ice for 17 steps and you only waddled along 9 steps.

Does that mean you did 6, 7 or 8 more waddles than me?
Sometimes we need to write numbers in words.

1 354 907 is written one million, three hundred and fifty four thousand, nine hundred and seven.

Solution to
Counting by
2s, 5s and 10s
p10
Solution to Number Facts to 18 p8

Across
2. One less than nine.
4. Two more than ten.
6. Ten plus five more.
7. The number that follows nine.
10. The first number.
11. One before twenty.
13. Three more than one.

Down
1. Two more than three.
3. What you get if you add three to ten.
4. Ten plus another ten.
5. One more than ten.
8. This number comes after six.
9. If you take two away from eleven you will get this number.
12. One more than one.

Teachers really like it when you do your neatest writing.

Your writing should be as clear as my stripes.
degree of difficulty  

Makes 9 pieces of cheese.
That’s 5 pieces for me and 4 for you!
Across

1. Mrs Brown took her year 2 class to the circus. Nine boys wore a hat and 6 girls wore a hat. How many more boys than girls wore a hat to the circus?

3. Jesse counted 7 lions in cages. Tony counted 3 tigers in cages. How many more lions than tigers were in cages?

5. Lauren saw 9 ladies on the high trapeze. Two of these ladies were wearing gold tops. How many of these ladies were not wearing gold tops?

7. Danny counted the elephants. There were 8 adult elephants and one baby elephant. How many more adult elephants were there than baby elephants?

10. Susannah watched as the horses paraded. She saw 2 white horses and 6 brown horses. How many horses did she see altogether?

12. Barnaby saw the bears doing tricks. There were 8 brown bears and 7 black bears. How many bears were doing tricks?

13. Joseph counted the poles holding up the tent. He counted 9 large poles and 9 smaller ones. How many poles were holding up the tent?

I have an extreme allergy to all things feline.

Down

1. Daisy saw 5 circus workers enter the lions’ cage. Three of these workers were ladies and the rest were men. How many men entered the lions’ cage?

2. Robyn and Lucille had fun watching the clowns. Robyn counted 6 clowns with baggy white pants. Lucille counted 5 clowns with baggy red pants. How many clowns wore white or red pants that were baggy?

4. There were 4 performing seals. Three of these seals flapped their flippers. How many seals did not flap their flippers?

6. Sandy watched as 6 men climbed on the strongman’s shoulders. Then another 2 men climbed up. How many men were now on the strongman’s shoulders?

7. The magician took 9 birds out of a hat. Then he took 7 birds out of another hat. How many birds did the magician take out of the two hats?

8. Sarah laughed as one of the clowns did 3 somersaults. Then the clown did another 6 somersaults. How many somersaults did this clown do?

9. Toby saw 3 clowns climb up a rope. Then another 5 clowns climbed the rope. How many clowns climbed the rope altogether?

11. Five of the elephants were on parade. Four of these waved their trunks in the air. How many of these elephants did not wave their trunks in the air?

12. The ringmaster said there were two more tricks that the lions would do. They had already done three tricks. How many tricks could the lions perform altogether?
1. In my room there are six books on the top shelf and seven books on the bottom shelf. How many books are on the two shelves?

4. In my room I have four comics near my bed and seven comics on the top shelf. How many comics do I have in my room?

5. I had eight stickers on my door but I took five off. How many stickers do I now have on my door?

8. I have three pairs of socks in one drawer and five pairs of socks in the other drawer. How many pairs of socks do I have in the two drawers?

10. In my room I have seven pairs of shoes. Four pairs are black so how many pairs are not black?

11. I have 14 swap cards on my desk. 7 of these belong to my friend. How many are mine?

12. Three of the 12 toys in my room are made of wood. How many are not made of wood?

Across

1. I have eight pictures on one wall and four on another wall. How many pictures do I have on the two walls?

2. There are 4 shirts on one side of my wardrobe and 4 on the other side. Together that makes how many shirts.

3. I had 12 tennis balls in a box near the cupboard but I lost three. Now I have how many tennis balls in the box.

4. I have some coloured pencils in a cardboard box on my desk. 9 are new and 9 are quite old. Altogether there are how many coloured pencils in the box.

6. I had 17 marbles in a tin but my brother took 9 of them. Now there are how many marbles left in the tin.

7. There are 9 chapters in the book I am reading. I have read 6 chapters so this means I have chapters left to read.

9. I had 4 of my best sketches taped to my window but three peeled off. Now there is only sketch left on the window.

10. There are 8 mobiles hanging from my ceiling. 6 of them are birds and the rest are fish. How many are fish?

If I laid a dozen eggs and 12 broke...

If I laid a dozen eggs and 12 broke...

...you’d be traded in!

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I’m strong and I’m fast.
To be strong and fast in Maths you need to know the basic number facts.

Across
1. Kylie has 7 pet parrots and 9 canaries. How many pet birds does she have?
3. Two of Katrina’s 7 pet kittens have spots. How many do not have spots?
6. Robbie has 9 pet rabbits and 5 of these are babies. How many are not babies?
7. Cassie has 7 ponies on her farm. Five of these ponies have brown tails. How many do not have brown tails?
8. Jack has 5 guinea pigs and Tim has 6 guinea pigs. How many guinea pigs do the boys have together?
9. Charlie had 7 fish in his fish tank. How many fish did he have after he put 3 more fish in the tank?
10. Belinda has 9 goldfish and her brother Barnaby has 8 goldfish. How many goldfish do they have together?
12. Giles saw 9 white mice in the pet shop. Three of these mice were feeding. How many were not feeding?
13. Tammy’s labrador, Bessy, had a litter of 9 puppies. Five of the puppies had a white patch on their belly. How many did not have a white patch on their belly?

Down
2. Jana had 9 tropical fish in her fish tank. Then her mother bought her 9 more. How many tropical fish did Jana now have?
3. Callum counted 6 black puppies in the pet shop. Then he counted 8 brown puppies. How many puppies did Callum count altogether?
4. Julie saw that 3 of her canaries were sitting on the perch. Her other 5 canaries were at the bottom of the cage. How many canaries did Julie have altogether?
5. Lisa’s cat had a litter of 7 kittens and her friend Anna’s cat had a litter of 5. How many kittens were in the two litters?
10. Tommy’s dog buried 2 bones in the yard. Then he buried another 4 bones. How many bones were buried by Tommy’s dog?
11. Walter had 7 goldfish and five of them were babies. How many of Walter’s goldfish were not babies?

If there were 23 goats and only 7 produced milk, how many didn’t produce milk?
If there was a herd of 28 reindeer and 11 were males how many were females?
### Mixed Operations to Twenty

**Degree of difficulty**

- **1 star**

If you go to the market you need to know your number facts.

---

### Children Counting Cars

#### Across

3. Lauren counted 55 cars of the same colour; what colour was this?  
4. How many more grey cars than white cars were counted?  
5. How many cars of the most common colour were there?  
8. There were how many grey cars?  
10. Toby counted 50 cars of the same colour. What colour was this?  
11. What colour car was the most common?  

#### Down

1. Which colour car were there 30 of?  
2. How many more blue cars than red cars were there?  
3. There were 40 of which coloured car?  
4. Sasha’s task was to count the white cars. How many did she see?  
6. How many blue cars were counted by Frederick?  
7. Of which colour were there fewest cars?  
8. How many more yellow cars than red cars were there?  
9. How many green cars were counted?

---

*Why are graphs useful?... a picture is worth a thousand words.*
Brilliant Maths Puzzles for 6 and 7 year olds

More Graphs and Data

Degree of difficulty

Need a greater challenge than this crossword? ... try walking sideways.

Across
1. At the market stall Sally saw five boxes, each holding five apples. How many apples were there altogether? (hyphen)
6. Robbie took $10 to the market and came home with $2. How many dollars did he spend?
8. Sally went to seven stalls before lunch and five stalls after lunch. How many stalls did she visit altogether?
9. Robbie counted twelve bicycles for sale at the market and eight of those were red. How many were not red?
10. Sally bought five apples and seven oranges. How many pieces of fruit did she buy altogether?
11. At the market there were 12 balloons tied to a pole. 5 balloons were red, 4 were blue and the rest were yellow. Were there as many yellow balloons as blue ones?
12. Robbie bought ten small lollies. He ate some and had three left. How many did he eat?

Down
1. There were three rows of market stalls, with ten stalls in each row. How many stalls were there altogether?
2. There were seven large umbrellas for sale and six smaller ones. Were there more than thirteen umbrellas for sale?
3. Sally bought twelve books at the market. Seven were mystery stories. How many were not mystery stories?
4. Robbie saw nine basketballs for sale. Five of these were not new. How many were new?
5. Jess counted five stalls that only sold boys’ clothing and six stalls that only sold girls’ clothing. How many stalls did Jess count?
6. Robbie saw five of his friends at the market. Sally saw three of her friends. How many more friends than Sally did Robbie see?
7. There were five stalls that sold drinks. Each stall had three people working at it. How many people were working at the drink stalls altogether?
10. Stall A sold seven pineapples. Stall B sold five pineapples. How many more pineapples did stall A sell?

Colours of Cars Counted by Children

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I have 20 apricots but 6 are not ripe.
How many are ripe?

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Read and Write Numerals to 1000

Degree of difficulty

What's the difference between 1 000 and one thousand? ......

....one thousand takes longer to write.

1. Sandy’s birthday is in the month after February. In which month is Sandy’s birthday?
2. In the month between March and May Sam invited six friends to his seventh birthday party. In which month is Sam’s birthday?
3. Josh will turn 8 in the month before June. In which month is Josh’s birthday?
4. Julie has her birthday in February. Cassie’s birthday is two months later. In which month is Cassie’s birthday?
5. Alison and Noelle are twins who were born in the second month of the year. In which month were the twins born?
6. Diana has her birthday in the month just before September. Which month is this?
7. Lonnie has his birthday in December. Lonnie’s birthday is in the .......... month of the year.
8. Sally-Anne’s birthday is in March which is the third month, and Jessica’s birthday is in February which is the .......... month.
9. Tommy is going to England in September, two months after his birthday. In which month is Tommy’s birthday?
10. Joanna was born in November which is the second last month of the ...........
11. Harry’s birthday comes three months after August. Harry’s birthday is in ...............
12. In August Daniel has to wait two more months for his birthday. In which month was Daniel born?
13. January is month number one and December is month number twelve. Billy was born in July which is month number ..........?
14. Sherelle’s baby sister was born last month. It is now January. In which month was Sherelle’s baby sister born?
15. Jason’s mother has her birthday in the month that comes right after August. When is Jason’s mother’s birthday?
16. Gail was born in the first month of the year. In which month is Gail’s birthday?
Months of the Year

Across
1. So far this year Pete has sold 998 hermit crabs. If someone comes in and buys two more that will make one ____________ sales of hermit crabs.
2. Pete had 20 cute kittens for sale and then he sold half of them. How many did he sell?
3. At Pete’s Pet Shop there were more than 100 small fish in the fish tank. Write 100 as a word…without the ‘one’.
4. Bobby’s big brother saved $400. Then he spent $10 buying a tropical fish. Bobby’s brother now has three hundred and ____________ dollars.
5. The largest fish tank in the shop cost $962. That’s nine hundred and sixty ____________ dollars.
6. Angela’s mother bought an aquarium at Pete’s Pet Shop. She gave Pete $820 and she received $3 change. The aquarium cost eight hundred and ____________ dollars.
7. Last week 380 people went into Pete’s Pet Shop. That’s three hundred and ____________.
8. Pete’s Pet Shop is at number 783 Kitty Lane. That is, ____________ hundred and eighty three.
9. Pete, the pet shop owner, has sold 353 canaries this year: that is three hundred and ____________ three.
10. Pete had to spend $998 on new shelves for his shop. That’s nine hundred and ninety ____________ dollars.
11. Pete’s telephone bill came to $810. We write this as eight hundred and ____________ dollars.
12. Pete fed his fish 469 grams of fish food. That’s four hundred and sixty ____________ grams.
13. Last month Pete’s sales of goldfish came to $375. That is three hundred and ____________ five dollars.
14. Pete has 533 goldfish and 523 tropical fish. How many more goldfish than tropical fish does Pete have? ____________
15. Pete had to order 690 more canaries. We write this as six hundred and ____________.

Down

3. Across
4. Across
5. Across
6. Across

Across
3. Across
4. Across
5. Across
6. Across
7. Across
8. Across
9. Across
10. Across
11. Across
12. Across
13. Across
14. Across
15. Across
16. Across

Hurry up!
Slow down!
Across
1. Does it take more, or less, than 5 minutes to have a meal with your family?
3. Write the answer that is closest: A baby will become an adult in another nine/ nineteen/ twenty-nine years.
5. Write the best answer: The news program your parents watch on television goes for about twenty-five/ seventy-five/ ninety-five/ minutes. (hyphen)
7. Does it take more or less than 10 minutes to clean your teeth?
10. Write the best answer: Someone your age might have a grandfather who has lived for twenty/ thirty/ seventy years.
12. Write the best answer: A very tall tree in a forest might have been planted seven/ eight/ sixty years ago.

Down
1. Most children take about ten .......... to get dressed for school.
2. Write the best answer: A snail would take about fifteen/ eighty/ ninety minutes to travel five centimetres.
4. Write the best answer: A sandwich takes about five/ twenty/ fifty minutes to eat.
6. ............ months pass by between the start of one summer and the start of the next summer.
8. There are .................. days between the start of one weekend and the start of the next weekend.
9. Do most people take more or less than 10 minutes to do up their shoelaces?
10. Winter and spring together last for .......... months.
11. Write the best answer: Most people go away on holidays for about two/ twenty/ thirty weeks.
Across
2. Damien and Josie are looking at a graph showing the birthday months of children at their school. In which month are their 100 birthdays?
4. Josie’s birthday is in March. How many children have their birthday in March?
5. There are three more birthdays in October than in July. True or false?
6. In which month are there ten more birthdays than in August?
7. Damien has his birthday in the month that has ten more birthdays than February. In which month is Damien’s birthday?
9. How many birthdays are in September?
11. Two months have ten more birthdays than September. They are October and ".........."?
12. The difference between the number of birthdays in April and September is the same as the difference between the number of birthdays in March and June. True or false?

Down
1. In which month are there twenty less birthdays than in March?
3. Which month has the same number of birthdays as October?
4. How many more birthdays are there in January than in February?
7. There is one month with the same number of birthdays as August. Which month is that?
8. How many birthdays are there in May?
10. How many fewer birthdays are there in June than in August?
The big hand is nearly on the 5 so it’s almost 8:25.

Degrees of difficulty

1. Jason lives at number 36 Amazon Street. Which digit in his street number is in the tens place?
2. A grumpy old man lives at number 253 Baron Road. The 3 in this number means three ones, the 5 means five tens and the 2 means two ________.
3. Diane’s house number is 45. How many tens are there in this number?
4. Bette’s family moved house. They now live at number 47 Beach Drive. Which digit is in the ones place in Bette’s house number?
5. Right at the end of Juniper Street is house number 527. The 7 in this number means seven ________, the 2 means two tens and the 5 means five hundreds.
6. Jodi’s family lives in an apartment. The apartment is number 89. In 89 the first digit means eight tens and the second digit means ________ ones.
7. Benny’s best friend lives at number 85 Ives Rd. In the number 85 the 8 is in the ________ place.
8. Josie’s aunt lives in a white house at number 19 Perry Avenue. In the number 19 there are nine ones and one ________.
9. Sandy lives right at the end of Blue Mountain Street, at number 172. In this number which digit is in the tens place?
10. Bob’s Bike Shop is at number 834 Richmond Highway. How many hundreds in 834?
11. Nicole and Cindy are twins who live in a large house at number 124 Grove Way. Which digit is in the ones place in their house number?
12. Toni’s friend Sally lives at number 128 Wilson Street. Which digit is in the hundreds place in the number 128?
13. Bobby’s teacher lives in a small apartment (number 145). In the number 145 the 1 is in the ________ place.

© Intelligent Australia Productions
Ones, tens, hundreds, thousands, tens of thousands, hundreds of thousands, millions, tens of millions...

Across
1. When Debbie looked at the time it was 7.15. The minute hand on the clock was pointing to the ________ .
4. Debbie started to eat her toast at 7.15 and it took 5 minutes. Now the minute hand was pointing to the ________ .
6. At 7 o’clock the small hand on Russel’s watch was pointing to the number ________ .
8. Jason’s bus came at 7.30. That’s when the minute hand is pointing to the ________ .
10. At a quarter to eight the minute hand on Sharon’s watch was pointing to the ________ .
11. Bobby said, “When the hour hand is half way between the 8 and the 9 and the minute hand points to the 6, the time is eight ________ .”
13. “One hour later than nine o’clock is ________ o’clock,” said Sue.
14. Lucy said, “Another way of saying 8.30 is ________ past eight.”

Down
2. If Alice leaves home at 7.30 and arrives at school at 8.30 it takes her one ________ to get to school.
3. Jeff said, “There are ________ hours between 7.30 in the morning and 9.30 in the morning.”
4. Jessie said, “_______ minutes pass when the minute hand on my watch goes from the 1 to the 2.”
5. Judy said, “When it is 5.30 the minute hand on my watch is pointing to the six and the hour hand is just past the ________ .”
7. Bonnie has 30 minutes to get to school. It is now 8 o’clock. This means she has to be at school by ________ thirty.
9. “When the minute hand points to the 9 and the hour hand points to the 8, it is ________ minutes before 8 o’clock,” said Jade.
12. “There are thirty minutes in ________ an hour,” said Trudy.
I may be very young but I know that Subtraction, Minus and Take Away are all the same thing.

Degree of difficulty

 specializes in subtraction.

1. "Which shape has five straight sides?" asked Joan.
   "I know," said Toby, "a _____________."

2. James said, "A shape with eight sides is called an ______________.

3. Jennifer asked, "Are the sides of a square all the same length?"
   Ruth replied, "_______________."

4. Larry said, "A hexagon has ______________ sides."

5. Phil said to Dennis, "A hexagon has __________ more sides than a rectangle."

6. Ian asked Jayne, "What do we call a shape that has six straight sides?"
   "A ____________, said Jayne."

7. Bobby said, "Two triangles do __________ have five sides altogether."

8. Kerry asked, "Which one is round: square, circle, hexagon, triangle?"
   "The ______________ is," replied Hannah.

9. Kane wondered, "How many rectangles have the same number of sides as an octagon?"
   "I'll tell you," said Michael, "it's ___________."

10. How many sides does a rectangle have?" Katie replied, "___________."

11. "A triangle and a pentagon have how many sides altogether?" asked Toni. Then someone told Toni that the answer is _______________.

12. "Three rectangles have the same number of sides as two hexagons. Is this true or false?" asked Lorna.
   "It's _______________," replied Meg.

13. "How many more sides than a square does an octagon have, Sam?" asked Ben.
   Sam replied, "I know the answer, it's _______________."

14. "How many more sides than a square does an octagon have, Sam?" asked Ben.
   Sam replied, "I know the answer, it's _______________."

15. "How many more sides than a triangle does an octagon have?" asked Dave.
   "___________," answered Molly.
1. John saw 9 squirrels in the forest. Then he saw some more. Altogether he saw 13 squirrels. So how many did he see the second time?
2. Bethany counted 5 red flowers near a tree. Then she saw some more. Altogether she counted 11 red flowers. How many did she count the second time?
3. Shane counted 12 gum trees altogether. At first he had seen 7 and then he saw another .......... more.
4. Jasmine collected 6 pine cones. Then she collected some more until she had a total of 14 pine cones. How many did she collect the second time?
5. Tommy saw some parrots and then he saw another 4 more. Altogether he saw 13 parrots so how many did he see the first time?
6. Jeff counted 7 rabbit prints on the forest track. Then he saw some more rabbit prints. He saw 14 rabbit prints altogether, so how many did he see the second time?
7. Jenny found 4 acorns. Soon after she found some more acorns and now she had 12. How many did she find the second time?
8. Adam saw 8 fish in the stream. He saw some more and that made a total of 12 fish that he saw. How many did he see the second time?
9. Sherry watched as 4 rabbits hopped into the bushes. Soon after she counted more rabbits. Altogether Sherry saw 13 rabbits so how many did she see after those first 4?
10. Joshua threw 7 pebbles into the stream. After he had thrown some more pebbles he had thrown 16 pebbles altogether. How many did he throw after the first 7 pebbles?
11. Sally-Anne saw 8 boys running along the forest path. Then she saw some more boys running along the path, making 12 altogether. How many boys did Sally-Anne see the second time?
12. Beth was thirsty so she had 9 sips from her drink bottle. She was still a little thirsty so she had some more sips, making 11 altogether. How many sips did she have the second time?
Mixed Number Facts

**I’ll give you 7 of these.**

**OK… and I’ll give you 4 of these.**

**Then I’ll have 3 more than I did have.**

---

Across

1. Teri gave 9 of her 14 swap cards to Alice. Teri had ___________ swap cards left.

2. Bonny had 13 swap cards in her drawer. She took 9 out of the drawer; there were ___________ left in the drawer.

3. Penny was given 7 swap cards by Eleanor who then had 9 left. Eleanor had ___________ swap cards before she gave those 7 to Penny.

4. Daniel gave 9 swap cards to Peter. This meant that Daniel now had 6 cards. How many did he have to begin with?

5. Joe gave 5 of his 15 swap cards to Billy. How many did he have left?

6. After Anne had given Belinda some swap cards she had 4 left. If she had 13 to begin with how many cards did she give to Belinda?

7. Peta had some swap cards in her room. After giving 8 to her friend Nicole she had 9 left. How many swap cards did Peta have to begin with?

8. How many swap cards did Evelyn have left if she gave 6 of her 14 cards to her sister Teri?

9. Jodi had 6 cards left after giving some of her 14 cards away to a friend. How many did she give to her friend?

---

Down

1. William lost 7 swap cards and he then had 7 left. How many did he have to begin with?

2. A big wind blew 4 of Eve’s 13 swap cards away. How many did she now have?

3. If Anna had 11 swap cards and she gave 5 to her brother, how many did she have left?

4. Jill and Jesse each had 9 football cards. How many did they have between them?

5. Felicity had 3 swap cards left after giving some to her friend. If she had 12 to begin with how many did she give to her friend?

6. Max had 15 glossy swap cards. He liked only 7 of them so he gave some away. How many did he give away?

7. Jenny gave some of her basketball cards to her friend Nicola. She kept 4 of her 11 cards; how many did she give to Nicola?

8. Toby had 14 soccer cards. After he gave Owen some cards he had 6 left. How many cards did Toby give to Owen?
Mixed Number Facts

Degree of difficulty

I’ll give you 7 of these.

OK...and I’ll give you 4 of these.

Then I’ll have 3 more than I did have.

1. Teri gave 9 of her 14 swap cards to Alice. Teri had __________ swap cards left.
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Across

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Across

1. John saw 9 squirrels in the forest. Then he saw some more. Altogether he saw 13 squirrels. So how many did he see the second time?
2. Bethany counted 5 red flowers near a tree. Then she saw some more. Altogether she counted 11 red flowers. How many did she count the second time?
3. Jasmine collected 6 pine cones. Then she collected some more until she had a total of 14 pine cones. How many did she collect the second time?
4. Shane counted 12 gum trees altogether. At first he had seen 7 and then he saw another .......... more.
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11. Sally-Anne saw 8 boys running along the forest path. Then she saw some more boys running along the path, making 12 altogether. How many boys did Sally-Anne see the second time?
12. Beth was thirsty so she had 9 sips from her drink bottle. She was still a little thirsty so she had some more sips, making 11 altogether. How many sips did she have the second time?

Down

1. Suzie counted the branches on a tree. She counted 6 branches and then saw some more through the leaves. Altogether she counted 11 branches on the tree. How many branches did Suzie see through the leaves?
2. John took some sweets with him. He ate 5 sweets and later he ate some more. He ate 12 sweets altogether so how many did he eat after the first 5 sweets?
3. The children walked past 6 clearings in the forest. Later, they passed some more. Altogether they walked passed 15 clearings. How many clearings did they pass after the first 6?
4. Sherry watched as 4 rabbits hopped into the bushes. Soon after she counted more rabbits. Altogether Sherry saw 13 rabbits so how many did she see after those first 4?
Basic Subtraction Facts

I may be very young but I know that Subtraction, Minus and Take Away are all the same thing.

Across
1. "Which shape has five straight sides?" asked Joan.
   "I know," said Toby, "a ………..".
2. James said, "A shape with eight sides is called an ………..".
3. Jennifer asked, "Are the sides of a square all the same length?"
   Ruth replied, "…………."
4. Larry said, "A hexagon has ……….. sides."
5. Pete said to Dennis, "A hexagon has ……….. more sides than a rectangle".
6. Anne asked Jayne, "What do we call a shape that has six straight sides?"
   "A ……….., said Jayne."
7. Bobby said, "Two triangles do ……….. have five sides altogether."
8. Kerry asked, "Which one is round: square, circle, hexagon, triangle?"
   "The ……….. is," replied Hannah.
9. Kane wondered, "How many rectangles have the same number of sides as an octagon?"
   "I'll tell you," said Michael, "it's ……….. ."
10. Phil said, "Did you know that the sides in shapes like triangles, rectangles and pentagons don't have to be the same ……….. as each other?"
11. "A triangle and a pentagon have how many sides altogether?" asked Toni. Then someone told Toni that the answer is ……….. .
12. "Three rectangles have the same number of sides as two hexagons. Is this true or false?" asked Lorna.
   "It's ………..," replied Meg.
13. "How many more sides than a square does an octagon have, Sam?"
    asked Ben.
    Sam replied, "I know the answer, it's ……….. ."
14. "How many more sides than a square does an octagon have, Sam?"
    asked Ben.
    Sam replied, "I know the answer, it's ……….. ."
15. Jill said, "A square and a rectangle each have four sides but which one has sides that are not all the same length as each other?"
    "The ………..," replied Paula.

Down
2. "James said, "A shape with eight sides is called an ……….. ."
4. Larry said, "A hexagon has ……….. sides."
7. "Two triangles do ……….. have five sides altogether."
8. Kerry asked, "Which one is round: square, circle, hexagon, triangle?"
   "The ……….. is," replied Hannah.
9. Kane wondered, "How many rectangles have the same number of sides as an octagon?"
   "I'll tell you," said Michael, "it's ……….. ."
11. "A triangle and a pentagon have how many sides altogether?" asked Toni. Then someone told Toni that the answer is ……….. .
Place Value

Degree of difficulty

Degree of difficulty

Ones, tens, hundreds, thousands, tens of thousands, hundreds of thousands, millions, tens of millions...

Across
1. When Debbie looked at the time it was 7.15. The minute hand on the clock was pointing to the ________.
4. Debbie started to eat her toast at 7.15 and it took 5 minutes. Now the minute hand was pointing to the ________.
6. At 7 o’clock the small hand on Russel’s watch was pointing to the number ________.
8. Jason’s bus came at 7.30. That’s when the minute hand is pointing to the ________.
10. At a quarter to eight the minute hand on Sharon’s watch was pointing to the ________.
11. Bobby said, “When the hour hand is half way between the 8 and the 9 and the minute hand points to the 6, the time is eight ________.”
13. “One hour later than nine o’clock is ________ o’clock,” said Sue.
14. Lucy said, “Another way of saying 8.30 is ________ past eight.”

Down
2. If Alice leaves home at 7.30 and arrives at school at 8.30 it takes her one ________ to get to school.
3. Jeff said, “There are ________ hours between 7.30 in the morning and 9.30 in the morning.”
4. Jessie said, “_______ minutes pass when the minute hand on my watch goes from the 1 to the 2.”
5. Judy said, “When it is 5.30 the minute hand on my watch is pointing to the six and the hour hand is just past the ________.”
7. Bonnie has 30 minutes to get to school. It is now 8 o’clock. This means she has to be at school by ________ thirty.
9. “When the minute hand points to the 9 and the hour hand points to the 8, it is ________ minutes before 8 o’clock,” said Jade.
12. “There are thirty minutes in ________ an hour,” said Trudy.
Brilliant Maths Puzzles for 6 and 7 year olds

Time: Smaller Units

Degree of difficulty ★★

The big hand is nearly on the 5 so it’s almost 8:25.

Across
1. Jason lives at number 36 Amazon Street. Which digit in his street number is in the tens place?
2. A grumpy old man lives at number 253 Baron Road. The 3 in this number means three ones, the 5 means five tens and the 2 means two ___________.
3. Diane’s house number is 45. How many tens are there in this number?
4. Bette’s family moved house. They now live at number 47 Beach Drive. Which digit is in the ones place in Bette’s house number?
5. Right at the end of Juniper Street is house number 527. The 7 in this number means seven ___________, the 2 means two tens and the 5 means five hundreds.
6. Jodi’s family lives in an apartment. The apartment is number 89. In 89 the first digit means eight tens and the second digit means ___________ ones.
7. Benny’s best friend lives at number 85 Ives Rd. In the number 85 the 8 is in the ___________ place.
8. Josie’s aunt lives in a white house at number 19 Perry Avenue. In the number 19 there are nine ones and one ___________.
9. Sandy lives right at the end of Blue Mountain Street, at number 172. In this number which digit is in the tens place?
10. Bob’s Bike Shop is at number 834 Richmond Highway. How many hundreds in 834?
11. Nicole and Cindy are twins who live in a large house at number 124 Grove Way. Which digit is in the ones place in their house number?
12. Toni’s friend Sally lives at number 128 Wilson Street. Which digit is in the hundreds place in the number 128?

Down
13. Bobby’s teacher lives in a small apartment (number 145). In the number 145 the 1 is in the ___________ place.

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**Time Periods**

**Degree of difficulty**

Time?
I’m having a great time!

---

**School Birthdays**

**Across**

2. Damien and Josie are looking at a graph showing the birthday months of children at their school. In which month are their 100 birthdays?

4. Josie’s birthday is in March. How many children have their birthday in March?

5. There are three more birthdays in October than in July. True or false?

6. In which month are there ten more birthdays than in August?

7. Damien has his birthday in the month that has ten more birthdays than February. In which month is Damien’s birthday?

9. How many birthdays are in September?

11. Two months have ten more birthdays than September. They are October and ...............?

12. The difference between the number of birthdays in April and September is the same as the difference between the number of birthdays in March and June. True or false?

---

**Down**

1. In which month are there twenty less birthdays than in March?

3. Which month has the same number of birthdays as October?

4. How many more birthdays are there in January than in February?

7. There is one month with the same number of birthdays as August. Which month is that?

8. How many birthdays are there in May?

10. How many fewer birthdays are there in June than in August?

---

**Graphs give us a better ‘picture’ of things.**

---

© Intelligent Australia Productions
Across

1. Does it take more, or less, than 5 minutes to have a meal with your family?

3. Write the answer that is closest: A baby will become an adult in another nine/ nineteen/ twenty-nine years.

5. Write the best answer: The news program your parents watch on television goes for about twenty-five/ seventy-five/ ninety-five/ minutes. **(hyphen)**

7. Does it take more or less than 10 minutes to clean your teeth?

10. Write the best answer: Someone your age might have a grandfather who has lived for twenty/ thirty/ seventy years.

12. Write the best answer: A very tall tree in a forest might have been planted seven/ eight/ sixty years ago.

Down

1. Most children take about ten .......... to get dressed for school.

2. Write the best answer: A snail would take about fifteen/ eighty/ ninety minutes to travel five centimetres.

4. Write the best answer: A sandwich takes about five/ twenty/ fifty minutes to eat.

6. ............ months pass by between the start of one summer and the start of the next summer.

8. There are ...................... days between the start of one weekend and the start of the next weekend.

9. Do most people take more or less than 10 minutes to do up their shoelaces?

10. Winter and spring together last for .......... months.

11. Write the best answer: Most people go away on holidays for about two/ twenty/ thirty weeks.
Brilliant Maths Puzzles for 6 and 7 year olds

Months of the Year

Degree of difficulty

There’s a full moon once a month.

1. At Pete’s Pet Shop there were more than 100 small fish in the fish tank. Write 100 as a word...without the ‘one’.

2. The largest fish tank in the shop cost $962. That’s nine hundred and sixty ___________ dollars.

3. Last week 380 people went into Pete’s Pet Shop. That’s three hundred and ___________.

4. Pete’s Pet Shop is at number 783 Kitty Lane. That is, ___________ hundred and eighty three.

5. Pete, the pet shop owner, has sold 353 canaries this year: that is three hundred and ___________.

6. Pete fed his fish 469 grams of fish food. That’s four hundred and sixty ___________ grams.

7. Last month Pete’s sales of goldfish came to $375. That is three hundred and ___________ five dollars.

8. Angela’s mother bought an aquarium at Pete’s Pet Shop. She gave Pete $820 and she received $3 change. The aquarium cost eight hundred and ___________ dollars.

9. Pete had to order 690 more canaries. We write this as six hundred and ___________.

10. Pete’s telephone bill came to $810. We write this as eight hundred and ___________ dollars.

11. Pete has 533 goldfish and 523 tropical fish. How many more goldfish than tropical fish does Pete have? ___________
Across

1. Sandy’s birthday is in the month after February. In which month is Sandy’s birthday?

2. In the month between March and May Sam invited six friends to his seventh birthday party. In which month is Sam’s birthday?

3. Josh will turn 8 in the month before June. In which month is Josh’s birthday?

4. Julie has her birthday in February. Cassie’s birthday is two months later. In which month is Cassie’s birthday?

5. Alison and Noelle are twins who were born in the second month of the year. In which month were the twins born?

6. Diana has her birthday in the month just before September. Which month is this?

7. Lonnie has his birthday in December. Lonnie’s birthday is in the __________ month of the year.

8. Sally-Anne’s birthday is in March which is the third month, and Jessica’s birthday is in February which is the __________ month.

9. Tommy is going to England in September, two months after his birthday. In which month is Tommy’s birthday?

10. Joanna was born in November which is the second last month of the __________.

11. Harry’s birthday comes three months after August. Harry’s birthday is in __________?

12. In August Daniel has to wait two more months for his birthday. In which month was Daniel born?

13. January is month number one and December is month number twelve. Billy was born in July which is month number __________?

14. Sherele’s baby sister was born last month. It is now January. In which month was Sherele’s baby sister born?

15. Jason’s mother has her birthday in the month that comes right after August. When is Jason’s mother’s birthday?

16. Gail was born in the first month of the year. In which month is Gail’s birthday?

Down

1. What’s the difference between 1,000 and one thousand? .......

2. Sandy’s birthday is in the month after February. In which month is Sandy’s birthday?

3. Josh will turn 8 in the month before June. In which month is Josh’s birthday?

4. Alison and Noelle are twins who were born in the second month of the year. In which month were the twins born?

5. Lonnie has his birthday in December. Lonnie’s birthday is in the __________ month of the year.

6. Diana has her birthday in the month just before September. Which month is this?

7. Sally-Anne’s birthday is in March which is the third month, and Jessica’s birthday is in February which is the __________ month.

8. Tommy is going to England in September, two months after his birthday. In which month is Tommy’s birthday?

9. Joanna was born in November which is the second last month of the __________.

10. Harry’s birthday comes three months after August. Harry’s birthday is in __________?

11. What’s the difference between 1,000 and one thousand? .......

12. In August Daniel has to wait two more months for his birthday. In which month was Daniel born?

13. January is month number one and December is month number twelve. Billy was born in July which is month number __________?

14. Sherele’s baby sister was born last month. It is now January. In which month was Sherele’s baby sister born?

15. Jason’s mother has her birthday in the month that comes right after August. When is Jason’s mother’s birthday?

16. Gail was born in the first month of the year. In which month is Gail’s birthday?
Brilliant Maths Puzzles for 6 and 7 year olds

More Graphs and Data

Degree of difficulty

Need a greater challenge than this crossword? ... try walking sideways.

Across
1. At the market stall Sally saw five boxes, each holding five apples. How many apples were there altogether? (hyphen)
5. Robbie bought five apples and seven oranges. How many pieces of fruit did she buy altogether?
10. Robbie bought ten small lollies. He ate some and had three left. How many did he eat?

Down
1. There were three rows of market stalls, with ten stalls in each row. How many stalls were there altogether?
2. There were seven large umbrellas for sale and six smaller ones. Were there more than thirteen umbrellas for sale?
3. Sally bought twelve books at the market. Seven were mystery stories. How many were not mystery stories?
4. Robbie saw nine basketballs for sale. Five of these were not new. How many were new?
5. Jess counted five stalls that only sold boys’ clothing and six stalls that only sold girls’ clothing. How many stalls did Jess count?
7. Robbie saw five of his friends at the market. Sally saw three of her friends. How many more friends than Sally did Robbie see?
9. There were five stalls that sold drinks. Each stall had three people working at it. How many people were working at the drink stalls altogether?
10. Stall A sold seven pineapples. Stall B sold five pineapples. How many more pineapples did stall A sell?

Colours of Cars Counted by Children

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Why are graphs useful? .... a picture is worth a thousand words.

Children Counting Cars

Across
3. Lauren counted 55 cars of the same colour; what colour was this?
4. How many more grey cars than white cars were counted?
5. How many cars of the most common colour were there? **hyphen**
8. There were how many grey cars? **hyphen**
10. Toby counted 50 cars of the same colour. What colour was this?
11. What colour car was the most common?

Down
1. Which colour car were there 30 of?
2. How many more blue cars than red cars were there?
3. There were 40 of which coloured car?
4. Sasha’s task was to count the white cars. How many did she see?
6. How many blue cars were counted by Frederick?
7. Of which colour were there fewest cars?
8. How many more yellow cars than red cars were there?
9. How many green cars were counted?

If you go to the market you need to know your number facts.
More Additions and Subtractions

I'm strong and I'm fast.
To be strong and fast in Maths you need to know the basic number facts.

Degree of difficulty

Across
1. Kylie has 7 pet parrots and 9 canaries. How many pet birds does she have?
2. Jana had 9 tropical fish in her fish tank. Then her mother bought her 9 more. How many tropical fish did Jana now have?
3. Two of Katrina’s 7 pet kittens have spots. How many do not have spots?
4. Callum counted 6 black puppies in the pet shop. Then he counted 8 brown puppies. How many puppies did Callum count altogether?
5. Lisa’s cat had a litter of 7 kittens and her friend Anna’s cat had a litter of 5. How many kittens were in the two litters?
6. Robbie has 9 pet rabbits and 5 of these are babies. How many are not babies?
7. Cassie has 7 ponies on her farm. Five of these ponies have brown tails. How many do not have brown tails?
8. Jack has 5 guinea pigs and Tim has 6 guinea pigs. How many guinea pigs do the boys have together?
9. Charlie had 7 fish in his fish tank. How many fish did he have after he put 3 more fish in the tank?
10. Belinda has 9 goldfish and her brother Barnaby has 8 goldfish. How many goldfish do they have together?
11. Walter had 7 goldfish and five of them were babies. How many of Walter’s goldfish were not babies?

Down
12. Giles saw 9 white mice in the pet shop. Three of these mice were feeding. How many were not feeding?

If there were 23 goats and only 7 produced milk, how many didn’t produce milk?

If there was a herd of 28 reindeer and 11 were males how many were females?
How quickly and accurately can you add and subtract numbers?

Across
1. In my room there are six books on the top shelf and seven books on the bottom shelf. How many books are on the two shelves?
4. In my room I have four comics near my bed and seven comics on the top shelf. How many comics do I have in my room?
5. I had eight stickers on my door but I took five off. How many stickers do I now have on my door?
8. I have three pairs of socks in one drawer and five pairs of socks in the other drawer. How many pairs of socks do I have in the two drawers?
10. In my room I have seven pairs of shoes. Four pairs are black so how many pairs are not black?
11. I have 14 swap cards on my desk. 7 of these belong to my friend. How many are mine?
12. Three of the 12 toys in my room are made of wood. How many are not made of wood?

Down
1. I have eight pictures on one wall and four on another wall. How many pictures do I have on the two walls?
2. There are 4 shirts on one side of my wardrobe and 4 on the other side. Together that makes ___________ shirts.
3. I had 12 tennis balls in a box near the cupboard but I lost three. Now I have ___________ tennis balls in the box.
4. I have some coloured pencils in a cardboard box on my desk. 9 are new and 9 are quite old. Altogether there are ___________ coloured pencils in the box.
6. I had 17 marbles in a tin but my brother took 9 of them. Now there are ___________ left in the tin.
7. There are 9 chapters in the book I am reading. I have read 6 chapters so this means I have ___________ chapters left to read.
9. I had 4 of my best sketches taped to my window but three peeled off. Now there is only ___________ sketch left on the window.
10. There are 8 mobiles hanging from my ceiling. 6 of them are birds and the rest are fish. How many are fish?
Across
1. Mrs Brown took her year 2 class to the circus. Nine boys wore a hat and 6 girls wore a hat. How many more boys than girls wore a hat to the circus?
2. Jesse counted 7 lions in cages. Tony counted 3 tigers in cages. How many more lions than tigers were in cages?
3. Lauren saw 9 ladies on the high trapeze. Two of these ladies were wearing gold tops. How many of these ladies were not wearing gold tops?
4. Danny counted the elephants. There were 8 adult elephants and one baby elephant. How many more adult elephants were there than baby elephants?
5. Susannah watched as the horses paraded. She saw 2 white horses and 6 brown horses. How many horses did she see altogether?
6. Sandy watched as 6 men climbed on the strongman’s shoulders. Then another 2 men climbed up. How many men were now on the strongman’s shoulders?
7. The magician took 9 birds out of a hat. Then he took 7 birds out of another hat. How many birds did the magician take out of the two hats?
8. Barnaby saw the bears doing tricks. There were 8 brown bears and 7 black bears. How many bears were doing tricks?
9. Joseph counted the poles holding up the tent. He counted 9 large poles and 9 smaller ones. How many poles were holding up the tent?
10. Sarah laughed as one of the clowns did 3 somersaults. Then the clown did another 6 somersaults. How many somersaults did this clown do?
11. Five of the elephants were on parade. Four of these waved their trunks in the air. How many of these elephants did not wave their trunks in the air?
12. The ringmaster said there were two more tricks that the lions would do. They had already done three tricks. How many tricks could the lions perform altogether?

Down
1. Daisy saw 5 circus workers enter the lions’ cage. Three of these workers were ladies and the rest were men. How many men entered the lions’ cage?
2. Robyn and Lucille had fun watching the clowns. Robyn counted 6 clowns with baggy white pants. Lucille counted 5 clowns with baggy red pants. How many clowns wore white or red pants that were baggy?
3. There were 4 performing seals. Three of these seals flapped their flippers. How many seals did not flap their flippers?
4. Sandy watched as 6 men climbed on the strongman’s shoulders. Then another 2 men climbed up. How many men were now on the strongman’s shoulders?
5. Sarah laughed as one of the clowns did 3 somersaults. Then the clown did another 6 somersaults. How many somersaults did this clown do?
6. Barnaby saw the bears doing tricks. There were 8 brown bears and 7 black bears. How many bears were doing tricks?
7. Joseph counted the poles holding up the tent. He counted 9 large poles and 9 smaller ones. How many poles were holding up the tent?
8. Daisy saw 5 circus workers enter the lions’ cage. Three of these workers were ladies and the rest were men. How many men entered the lions’ cage?
2 pieces of cheese plus 7 pieces of cheese...

makes 9 pieces of cheese. That’s 5 pieces for me and 4 for you!

Degree of difficulty

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### Number Facts to 18

#### Across
1. **Eight**, **O**
2. **One**
3. **Sixteen**, **S**
4. **Nine**
5. **Two**, **E**
6. **Eight**, **T**
7. **Nine**
8. **Seven**, **E**
9. **Eightteen**, **N**
10. **Eleven**, **I**
11. **Seven**, **N**
12. **Nine**, **E**

#### Down
1. Two more than three.
2. One less than nine.
3. What you get if you add three to ten.
4. Ten plus another ten.
5. One more than ten.
6. Ten plus five more.
7. The number that follows nine.
8. This number comes after six.
9. If you take two away from eleven you will get this number.
10. The first number.
11. One before twenty.
12. Three more than one.

---

*Teachers really like it when you do your neatest writing.*

*Your writing should be as clear as my stripes.*
1 354 907 is written one million, three hundred and fifty-four thousand, nine hundred and seven.

Sometimes we need to write numbers in words.
### Across

2. Tommy had 11 marbles, Jesse had 14 marbles. How many more marbles did Jesse have?

3. Tara’s Mother had nine buttons. Then she found three more. How many buttons did Tara’s mother have now?

4. Jenny picked 4 apples from the apple tree. Holly picked 5 apples. How many apples did the girls pick altogether?

7. Billy had twenty swap cards but then he lost four. How many swap cards did he have left?

8. How much is thirteen take away twelve?

9. How much is six plus four more?

11. Father collected eighteen eggs but three broke. How many eggs were left?

12. How much is twenty take away three?

14. How many apples are left if there were twelve to start with and then eight children each ate one?

### Down

1. You will get this number if you add seven to thirteen.

2. How much is two plus eight?

4. Sam took fifteen minutes to get dressed and four minutes to clean his teeth. How many minutes did Sam take altogether?

5. Joey caught 8 fish and Bobby caught 16. How many more fish than Joey did Bobby catch?

6. There are eight signs on the street but only three are yellow. How many are not yellow?

10. There are three dogs and six cats. How many animals altogether?

13. There are eleven boys and nine girls. How many more boys are there than girls?

---

**Solution to Large Units**

I waddled along the ice for 17 steps and you only waddled along 9 steps. Does that mean you did 6, 7 or 8 more waddles than me?
Brilliant Maths Puzzles for 6 and 7 year olds

Adding & Subtracting to Twenty

Degree of difficulty

12 icebergs plus 3 icebergs equals lots and lots and lots and lots of ice!

Solution to Money: Conversions p14
Across

2. Tom knows that two 50c pieces make one .................. .
3. Jane has two $5 notes. This means she has ............ dollar altogether.
5. "If you have $5 and buy two ice-creams which cost $2 each you will have .......... dollar left,” said Tim.
6. "If I have ........ 20c pieces I have $2," said Beth.
8. How many $2 coins have the same value as one $20 note?
9. "If I have a $1 coin and I buy a pencil for 30c I will get .................... cents change,” said Robert.
11. Six 10c pieces have the same value as ............... 20c pieces.
13. How many 50c coins could I swap for a $5 note and a $2 coin?
14. Josie has two $2 coins and four 50c coins. How many dollars is this?

Below

Down

1. A $5 note but a $2 ........... .
3. Bonnie knows that .................. 5c pieces make one dollar.
4. Money comes in dollars and ............ .
5. Jenny has eleven 10c coins. Oliver has six 20c coins. Who has the most money?
6. Dad told Amy that ........... $5 notes equal one $50 note.
7. Sam (who had no money) said, “I will have $1.40 if you give me .................... 20c coins.”
10. Yvonne has a $10 note and a 50c piece. Dale has two $5 notes and two 20c pieces. Who has the most money?
12. How many 5c coins equal one 50c coin?
15. How many $2 coins equal one $10 note?

Solution
to
Adding and Subtracting to Twenty
p16

Coins weigh more than notes....

but notes are worth more.
Money: conversions

Degree of difficulty
★★

It’s wise to save your money.

Solution to Read and Print Number Words to Twenty p18

F
EIGHT
V
TWELVE
H
W
L
FIFTEEN
TEN
S
R
N
T
Y
V
E
E
E
I
NINETEEN
W
E
FOUR

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Across
1. Do 14 months make more than one year or less than one year?
2. Are 20 hours more or less than a day?
3. ___________ minutes makes one hour.
4. Half a year has how many months?
5. Does half an hour have twenty minutes or thirty minutes?
6. Two months plus ________ months equals one year.
7. How many more months do you need to add to 11 months to get one year?
8. If you take four months away from one year how many months are left?
9. Which is longer? month, week, year, day
10. One week plus 4 days equals 11 ________.
11. Twenty-one days makes ________ weeks.
12. There are twenty-four hours in a day. True or false?

Down
1. One year plus 5 months equals 17 __________.
2. Are 20 hours more or less than a day?
3. ___________ minutes makes one hour.
4. Half a year has how many months?
5. Does half an hour have twenty minutes or thirty minutes?
6. Two months plus ________ months equals one year.
7. How many more months do you need to add to 11 months to get one year?
8. If you take four months away from one year how many months are left?
9. Which is longer? month, week, year, day

Solution to Additions and Subtractions p20

I make 10 litres of milk every day.

I make 70 litres of milk every week.
I give the farmer my milk every day at the same time.

Solution to More Additions and Subtractions p22
Brilliant Maths Puzzles for 6 and 7 year olds

Across
1. What is the next number?
   5, 10, 15, 20, ......  
   hyphen

2. Write the number that comes first.
   ......, 4, 6, 8, 10, 12

3. What is the next number?
   6, 8, 10, 12, ......

4. By how much are the numbers going up?
   2, 4, 6, 8, 10, 12, 14, 16

5. What number is missing?
   20, 30, ......, 50, 60

6. What number is missing?
   60, 70, ......, 90, 100

7. What number is missing?
   5, 10, ......, 20, 25

10. Write the number that comes next.
    50, 60, 70, 80, ......

11. Write the first number.
    ......, 10, 12, 14, 16, 18

12. What number is missing?
    40, 50, ......, 70, 80

13. By how much are the numbers going up?
    10, 20, 30, 40, 50, 60, 70

14. What number is missing?
    14, 16, ......, 20, 22

Down
1. What number is missing?
   ......, 30, 40, 50, 60

I feasted on 20 flies yesterday.

I had more than that just for brekkie!

Solution to Mixed Operations to Twenty p24

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I’m going to count how many flies I have for lunch today. Yum!
Across
1. Shelley collected five eggs on Monday and three eggs on Tuesday. How many eggs did she collect altogether?
5. The hens laid seven eggs on Friday and nine on Saturday. How many eggs did they lay altogether?
8. Mum used eight eggs in her cooking for the week. She used six of those eggs between Monday and Friday. How many eggs did she use on the weekend?
9. There are nine hens in one coop and nine in another coop. How many hens are there altogether?
10. Shelley’s little brother collected seven eggs and her little sister collected three eggs. How many eggs did Shelley’s little brother and sister collect altogether?
13. Shelley’s Dad collected eggs on nine days. It rained on two of those days. How many days did it not rain?
14. Peter fed two of the hens. Rosanna fed seven hens. How many hens did they feed altogether?
Down
1. Toby’s uncle has nine hens on his farm. One of the hens never lays eggs. How many hens do lay eggs?
2. Toby found eight fox footprints near the chicken coop. Then he saw another five fox footprints. How many fox footprints did Toby find?
3. Seven eggs were laid on Toby’s uncle’s farm on Thursday. Six of those eggs were used for the evening meal. How many eggs were left?
4. Toby gathered up eight eggs but he dropped one and it broke. How many eggs were left?
6. Ten of the goats on Toby’s uncle’s farm are more than a year old. The other eight goats are less than a year old. How many goats does Toby’s uncle have on his farm?
7. Toby’s aunt Mary put eight eggs in a red container and six in a green container. How many eggs did she put in the two containers?
11. Four people on the farm ate eggs on Monday and five different people ate eggs on Tuesday. How many people ate eggs on these two days?
12. Five eggs were collected and four had brown shells. How many had a white shell?

8 steps plus another 4 steps, equals…
too many steps!
I’d like to be able to add and subtract.
Solution to Basic Subtraction Facts p32

Across

1. The number at N is ...
   hyphen

2. The number at B is ...

3. The number at A is ...

4. The number at D is ...

5. The number at L is ...
   hyphen

6. The number at E is ...

7. The number at C is ...

8. The number at F is ...

9. The number at G is ...

10. The number at K is ...

11. The number at I is ...
    hyphen

12. The number at H is ...
    hyphen

13. The number at J is ...
    hyphen

Down

1. The number at M is ...

If you’re talking about cages, 0.

If you’re talking about peanuts, 100.

What’s better, 0 or 100?

If you’re talking about cages, 0.

If you’re talking about peanuts, 100.
Write the number line's missing numbers in the puzzle.
(some need a hyphen)

I like peanuts more than numbers.

Solution to Mixed Number Facts p34
Across
1. What comes after seventeenth?
2. The third boat that Amy saw was the biggest. How many boats did Amy see before she saw the biggest one?
3. If one runner beats you, you come ...................... .
4. Three swimmers beat Teddy in his race. This means Teddy came ...................... .
5. What comes after sixth?
6. Jamie got the second best score. How many children scored higher than Jamie?
7. Just before tenth is ................... .
8. This comes just before twenty-second. hyphen
10. The elephants were walking in a line and the baby elephant was fourth. How many elephants were in front of the baby one?
11. If there are six swimmers in a race, the one who comes sixth finishes ................. .
12. What comes before eleventh?

Down
One hundredth.

What comes after ninety ninth?
If I raced a turtle and a snail I'd come 1st, the turtle would be 2nd and the snail would be last.
# Contents

<table>
<thead>
<tr>
<th>Concept</th>
<th>Theme</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ordinal Numbers</td>
<td>Sports</td>
<td>4-5</td>
</tr>
<tr>
<td>Locating Numbers on a Number Line</td>
<td>n/a</td>
<td>6-7</td>
</tr>
<tr>
<td>Number Facts to 18</td>
<td>On the Farm</td>
<td>8-9</td>
</tr>
<tr>
<td>Counting by 2s, 5s and 10s</td>
<td>Patterns</td>
<td>10-11</td>
</tr>
<tr>
<td>Time: Large Units</td>
<td>Facts, Conversions etc</td>
<td>12-13</td>
</tr>
<tr>
<td>Money</td>
<td>Conversions: Notes and Coins</td>
<td>14-15</td>
</tr>
<tr>
<td>Adding and Subtracting to Twenty</td>
<td>Everyday Objects</td>
<td>16-17</td>
</tr>
<tr>
<td>Read and Print Number Words to Twenty</td>
<td>Print Numbers as Words</td>
<td>18-19</td>
</tr>
<tr>
<td>Additions and Subtractions</td>
<td>The Circus</td>
<td>20-21</td>
</tr>
<tr>
<td>More Additions and Subtractions</td>
<td>Pets</td>
<td>22-23</td>
</tr>
<tr>
<td>Mixed Operations to Twenty</td>
<td>At the Market</td>
<td>24-25</td>
</tr>
<tr>
<td>Read and Write Numerals to 1000</td>
<td>Pet Shop</td>
<td>26-27</td>
</tr>
<tr>
<td>Graphs and Data</td>
<td>Birthday Months</td>
<td>28-29</td>
</tr>
<tr>
<td>Time: Smaller Units</td>
<td>Conversions: hours &amp; mins</td>
<td>30-31</td>
</tr>
<tr>
<td>Basic Subtraction Facts</td>
<td>In the Forest</td>
<td>32-33</td>
</tr>
<tr>
<td>Mixed Number Facts</td>
<td>Swap Cards</td>
<td>34-35</td>
</tr>
<tr>
<td>Plane Shapes</td>
<td></td>
<td>36-37</td>
</tr>
<tr>
<td>Place Value</td>
<td>Street Numbers</td>
<td>38-39</td>
</tr>
<tr>
<td>Time Periods</td>
<td></td>
<td>40-41</td>
</tr>
<tr>
<td>Months of the Year</td>
<td>Birthdays</td>
<td>42-43</td>
</tr>
<tr>
<td>More Graphs and Data</td>
<td>Car Colours</td>
<td>44-45</td>
</tr>
<tr>
<td>More Additions and Subtractions</td>
<td>In My Room</td>
<td>46-47</td>
</tr>
</tbody>
</table>

## Solutions

<table>
<thead>
<tr>
<th>Solution to Time Periods</th>
<th>p40</th>
</tr>
</thead>
</table>

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Teacher’s Notes

Foreword

Over hundreds of years, across many lands, crosswords have combined successful learning with fun. The sense of achievement in solving a clue is surpassed only by the successful completion of the crossword itself.

Why ’Brilliant’?

When the idea for this book first arose it was discussed with a long-serving junior primary school teacher. Would teachers of lower primary grades consider worksheets that integrated Maths, Reading, Spelling and Logical Thinking too much for their students to handle? “Oh, no, not at all,” came the reply, “the concept is just brilliant!”

The Age Range

All teachers know that in every class of children there is a wide range of abilities. So in a book catering for both 6 and 7 year olds there needs to be graded exercises, suited to younger students of moderate ability, older students who are highly capable, and all those in between. Thus, the puzzles in the book range in degree of difficulty from Easy through to Challenging and are marked thus:

* = Easy  ** = Medium  *** = Challenging

About this Book

The puzzles in this book -designed to reinforce mathematical terms, concepts and skills- provide a fun alternative to traditional maths revision activities. The book provides students with a new, effective method of consolidating maths concepts that cover the whole spectrum of the curriculum; there is a crossword to consolidate almost every Maths concept.

The puzzles have been written for 6 and 7 year olds so it is likely that some children may need concrete materials to assist them. With the clues in most crosswords in the form of mini stories the puzzles have been designed to give students practise in Maths, Reading, Writing, Spelling and Logical Thinking.

The puzzles are clearly suitable for in-class exercises but are they equally appropriate as Homework activities? Yes, most definitely. Solving puzzles of any kind is a nice way for children and their parents to spend quality learning time together.

Method of ‘Attack’

1. Photocopy puzzle and distribute to all students.
2. Spend a few minutes making sure children understand what is required and explaining what the puzzle is all about.
3. Have one student read the first clue. Then ask, “Are there any questions about that?” Do not ask for the clue’s answer.
4. Choose another student to read the next clue. And so on until all clues have been read out.
5B: Tell students that two-word answers (which are marked as such) need a hyphen.

About the Author

Ron Shaw’s 30+ educational books are used by teachers in English-speaking countries on four continents.

Ron, a graduate of Claremont Teachers College (Perth) and the Australian National University (Canberra), was a senior teacher for many years before venturing into educational publishing. Ron has been accepted into membership of the Australian College of Educators, the Australian Teaching Council and the Australian Mathematical Society.

We know that your students will enjoy completing these stimulating puzzles.

Learn well. Have fun!

The Editors, Intelligent Australia Productions

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p44

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