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Year 2 NAPLAN*-style Numeracy Tests

Free-to-download Sample Tests with answers

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Elaine Horsfield**



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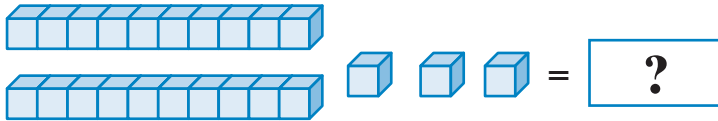
Question 1

Which line is the longest?

- A
- B
- C
- D

Question 2

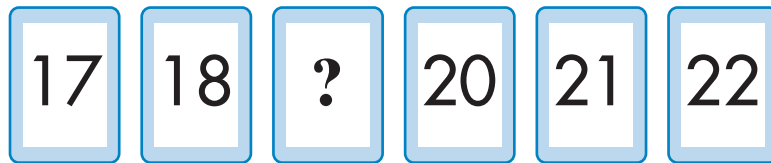
Using = 1 and = 10, what number is represented by



- A 22
- B 23
- C 32
- D 50

Question 3

Lucy is placing number cards in order.



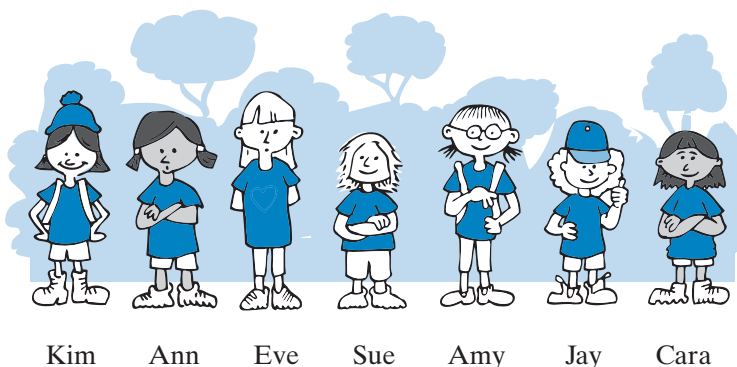
Which card should Lucy put in the space?

- A
- B
- C
- D

YEAR 2 NUMERACY SAMPLE TEST 1

Year 2 girls lined up for a camp photo.

Use this picture for questions 4 and 5.



Question 4

Which girl is in the centre of the line?

- A** Sue **B** Eve **C** Amy **D** Ann

Question 5

When you are looking at the line, which girl is to the right of Ann?

- A** Cara **B** Amy **C** Kim **D** Eve

Question 6

Zena's birthday party is tomorrow.

Today is Friday.

Which of these is certain?

- A** Zena is thirteen years old.
B Tomorrow is Saturday.
C No one will go to Zena's party.
D Zena will get a balloon at the party.

YEAR 2 NUMERACY SAMPLE TEST 1

Question 7

Tung has these coins in his pocket.



How much money does Tung have?

A 25c

B 40c

C 45c

D 50c

Question 8

Which shape is half a circle?



Question 9

Which of these is equal to $5 + 2$?

A $2 + 5$

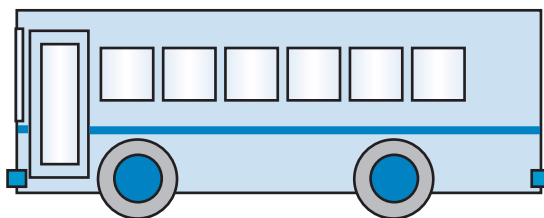
B $5 = 2$

C $5 - 2$

D 5×2

Question 10

This is a picture Alex drew of a bus.



What shape is **not** shown in this picture of a bus?

A circle

B triangle

C square

D rectangle

YEAR 2 NUMERACY SAMPLE TEST 1

Question 11

How long is it from 12 noon to 4 o'clock on the same day?

- A** 60 minutes **B** 3 hours **C** 4 hours **D** 16 hours

Question 12

$$15 - 5 = ?$$

- A** 1 **B** 5 **C** 9 **D** 10

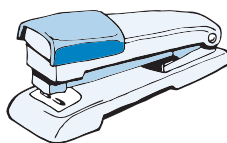
Question 13

Which object would have the greatest mass?

A



B



C

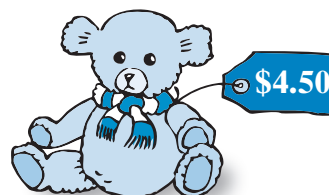


D



Question 14

Reanne has this note.  She bought a bear.



If she only got one coin as her change which one should it be?

A



B



C



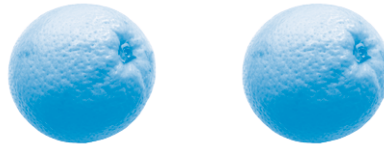
D



YEAR 2 NUMERACY SAMPLE TEST 1

Question 15

These oranges have to be cut into halves.



How many halves will there be?

A 1

B 2

C 4

D 6

Question 16

Look at this pattern.



What is the next shape in the pattern?



Question 17

What shape is this paste jar most like?



A circle

B cylinder

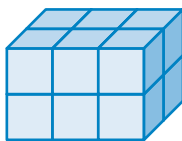
C cone

D rectangle

YEAR 2 NUMERACY SAMPLE TEST 1

Question 18

Henri made this shape using blocks.



How many blocks did Henri use to make this shape?

- A** 6 **B** 10 **C** 12 **D** 17

Question 19

Which card has the even number?

- A**  **B**  **C**  **D** 

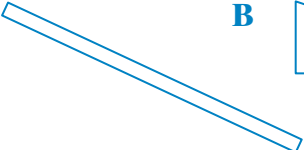


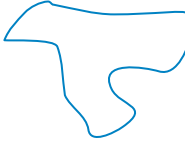
Question 20

Which of these numbers is closest to 15?

- A** 14 **B** 10 **C** 13 **D** 17

Question 21

Which shape covers the most space?

- A**  **B**  **C**  **D** 

Question 22

In June Sean looked at a calendar. His birthday was in the next month.

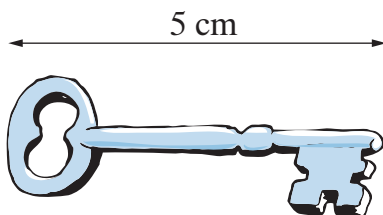
In which month does Sean have his birthday?

- A** April **B** May **C** July **D** August

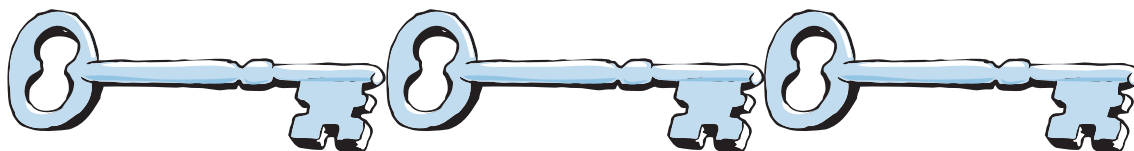
YEAR 2 NUMERACY SAMPLE TEST 1

Question 23

This key is 5 cm long.



Mandy put 3 keys in a line like this.



How long is this line of keys?

- A** 6 cm **B** 8 cm **C** 10 cm **D** 15 cm

Question 24

Which event is most likely to happen?

- A** Your school will be painted black tomorrow.
B Your class will start lessons on time next term.
C All children will ride horses to school on Fridays.
D Everyone in your class will have a birthday on the same day.

Question 25

Dionne had some money in her bag. She spent \$1.25 and then had \$1.50 left.

How much money did Dionne start with?

Write your answer in the box. \$

Question 26

Which card shows this shape  flipped over the dotted line.



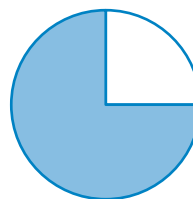
- A**  **B**  **C**  **D** 

YEAR 2 NUMERACY SAMPLE TEST 1

Question 27

What fraction of this circle is shaded?

- A** one-quarter **B** one-half
C three-quarters **D** two halves



Question 28

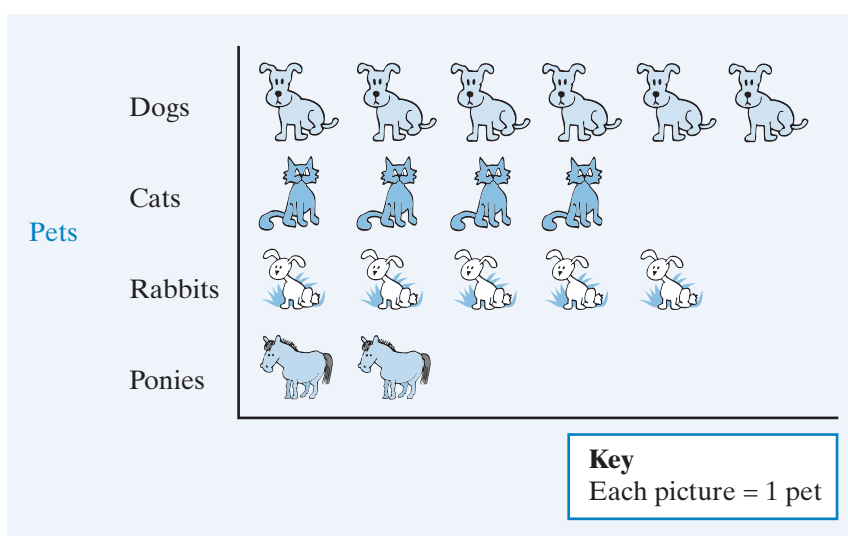
What is the largest number you can make using these cards.

Write your answer in the box.



Question 29

This graph shows the number of pets the students in Ms Prue's class have.



How many pet cats do the students have?

- A** 2 **B** 4 **C** 5 **D** 17

Question 30

Write a number in the box to make this number sentence correct.

$$6 + 3 = \boxed{}$$

END OF TEST 1

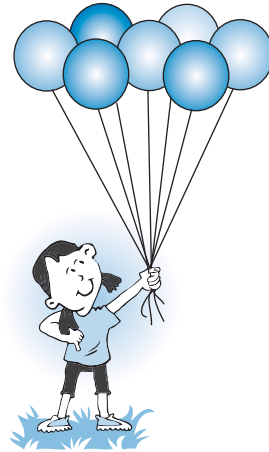


Question 1

These are Kate's balloons.

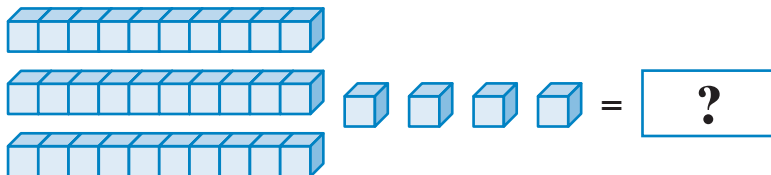
How many balloons does Kate have?

- A 5
- B 6
- C 7
- D 8



Question 2

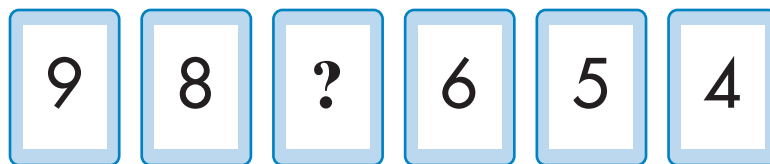
Using $\square = 1$ and $\text{rod} = 10$, what number is represented by



- A 24
- B 32
- C 33
- D 34

Question 3

Lucy is placing number cards in order.



Which card should Lucy put in the space?

- A 10
- B 7
- C 6
- D 3

YEAR 2 NUMERACY SAMPLE TEST 2

Here is a picture of a pile of books.

Use this picture for questions 4 and 5.



Question 4

Which book is just above the *Travel* book?

- A** *First Aid* **B** *Poetry* **C** *Steam Trains* **D** *Atlas*

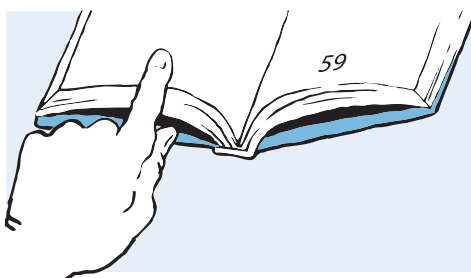
Question 5

What is the position of the *Atlas*?

- A** on the top
B in the middle
C third from the bottom
D second from the top

Question 6

Kim's finger covers a page number in this book.



What page number is Kim's finger covering?

- A** 49 **B** 50 **C** 58 **D** 60

YEAR 2 NUMERACY SAMPLE TEST 2

Question 7

Lee has saved these coins.



How much money does Lee have?

- A** 30c **B** 60c **C** \$2.20 **D** \$5.00

Question 8

Which circle is cut into quarters?



Question 9

Which of these is equal to $7 + 1$?

- A** $1 - 7$ **B** $7 - 1$ **C** $1 + 7$ **D** 7×1

Question 10

Which of these events is **impossible**?

- A** Ants will build a nest under the ground.
B Cows will fly to the moon.
C Camels will race around a track.
D Ducks will walk along the road.

Question 11

How long is it from 2:15 to 2:30 on the same afternoon?

- A** 15 minutes **B** 20 minutes **C** 30 minutes **D** 45 minutes

YEAR 2 NUMERACY SAMPLE TEST 2

Question 12

$$40 - 10 = ?$$

Write your answer in the box.

Question 13

Which object would have the least mass?

A



B



C



D



Question 14

Jack has saved these coins.



Which coin or coins does he need to raise his savings to \$1.75?

A



B



C



D



Question 15

Look at this number pattern.

$$5, 15, 25, 35, ?$$

What is the next number in the pattern?

A 36

B 40

C 45

D 50

YEAR 2 NUMERACY SAMPLE TEST 2

Question 16

This pizza was cut into quarters.

How many people could have 1 piece?

- A 1
- B 2
- C 4
- D 6



Question 17

What shape is this party hat most like?

- A cone
- B circle
- C cylinder
- D triangle

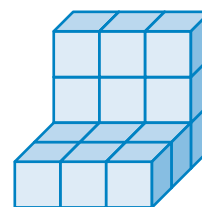


Question 18

Dell made this shape using blocks.





How many blocks did Dell use to make to make her shape?

- A 9
- B 12
- C 13
- D 15



Question 19

Which card has the odd number?

- A  123
- B  304
- C  190
- D  616

Question 20

Which of these numbers is closest to 80?

- A 75
- B 78
- C 85
- D 90

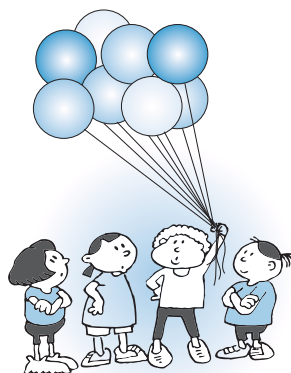
YEAR 2 NUMERACY SAMPLE TEST 2

Question 21

4 girls share these balloons.

How many balloons does each girl get?

- A 1
- B 2
- C 3
- D 4



Question 22

It is Tuesday and Mike's birthday is in three days' time.

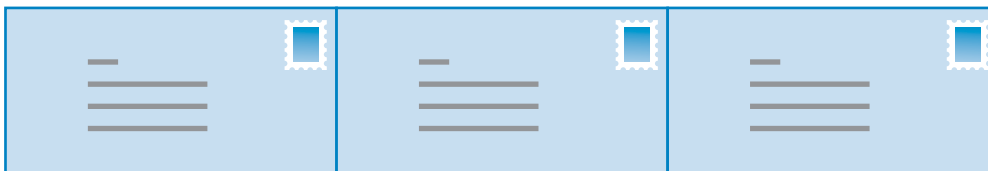
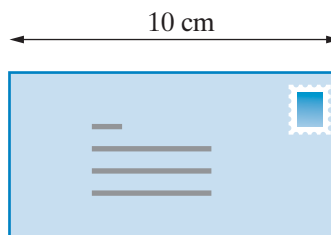
On what day does Mike have his birthday?

- A Wednesday
- B Thursday
- C Friday
- D Saturday

Question 23

This letter is 10 cm wide.

3 letters are placed side by side like this.



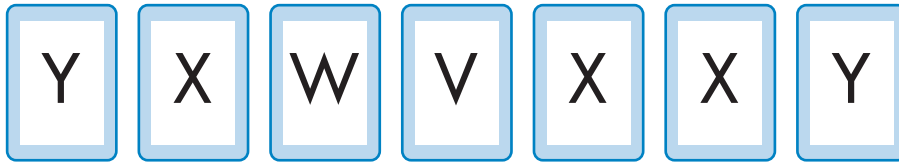
How long is the line of letters?

- A 13 cm
- B 20 cm
- C 23 cm
- D 30 cm

YEAR 2 NUMERACY SAMPLE TEST 2

Question 24

Casey put these cards with letters on them in a bag.



Which letter is Casey most likely to choose?

A W

B Y

C X

D V

Question 25

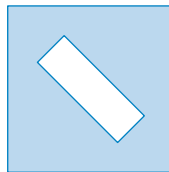
Gavin had saved some money.

He spent \$2.20 and then had 80c left.

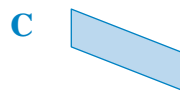
How much money did Gavin start with? Write your answer in the box. \$

Question 26

A shape was cut from this piece of paper and then the paper was turned around.



Which piece will best fill the space?



Question 27

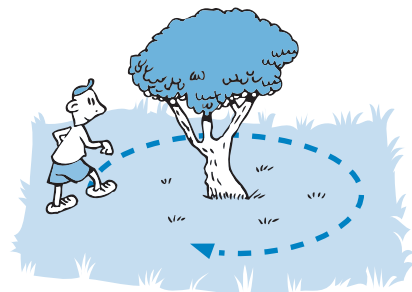
George is walking around this tree.

He is walking in a clockwise direction.

Is this true or false? Tick a box.

TRUE

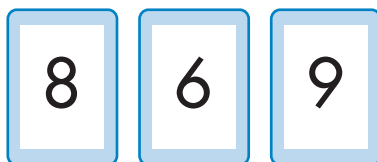
FALSE



YEAR 2 NUMERACY SAMPLE TEST 2

Question 28

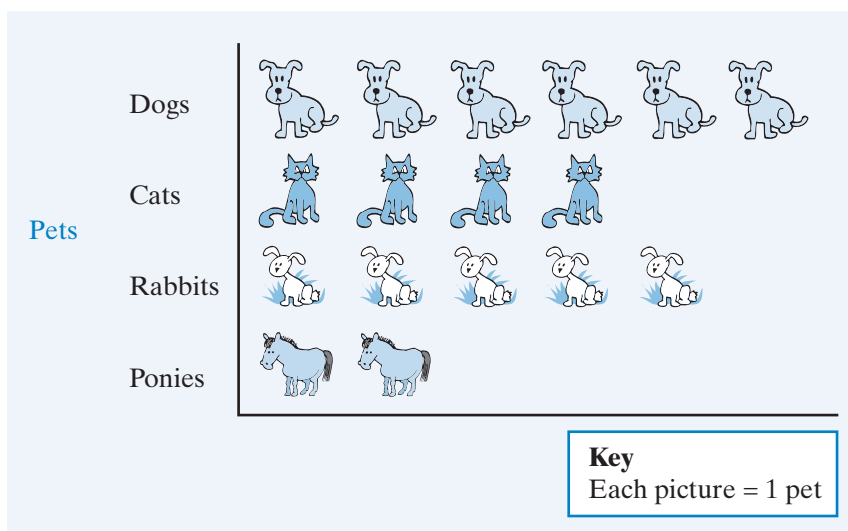
What is the smallest number you can make using these cards?



Write your answer in the box.

Question 29

This graph shows the number of pets the students in Ms Prue's class have.



What is the most common pet?

A dog

B cat

C rabbit

D pony

Question 30

Write a number in the box to make this number sentence correct.

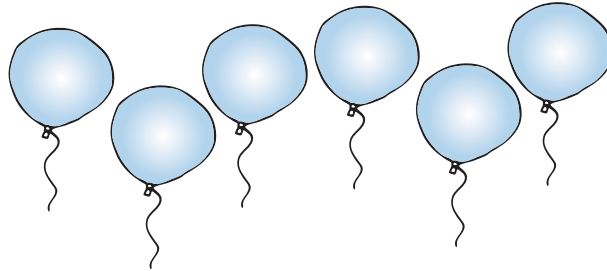
$$10 - 3 = \boxed{}$$

END OF TEST 2

Question 1

These were Keith's party balloons.

He gave 2 away after the party.



How many balloons does Keith have left?

A 4

B 5

C 6

D 7

Question 2

Which coin has the highest value?

A



B



C



D

**Question 3**

Sophie has some cards with numbers on them.

Which card has the highest number?

A



B



C



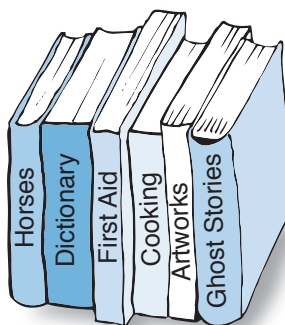
D



YEAR 2 NUMERACY SAMPLE TEST 3

Here is a picture of books on a shelf.

Use this picture for questions 4 and 5.



Question 4

Which book is next to and on the right of *First Aid*?

- A** Dictionary **B** Horses **C** Ghost Stories **D** Cooking

Question 5

Which book is second from the left?

- A** Artworks **B** Dictionary **C** Ghost Stories **D** Cooking

Question 6

What is the next even number after 10?

- A** 11 **B** 12 **C** 13 **D** 20

Question 7

Pam has saved these coins.

How much money does Pam have?



- A** \$5.00 **B** \$8.00 **C** \$9.00 **D** \$10.00

Question 8

One-quarter is larger than one-half.

Is this true or false?

Tick a box.

TRUE FALSE

YEAR 2 NUMERACY SAMPLE TEST 3

Question 9

What do I add to 7 to get a total of 10?

A 0

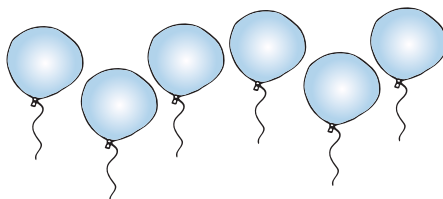
B 1

C 2

D 3

Question 10

3 people share these party balloons.



How many balloons does each person get?

A 1

B 2

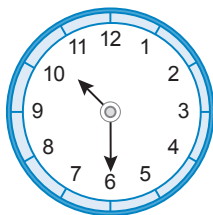
C 3

D 4

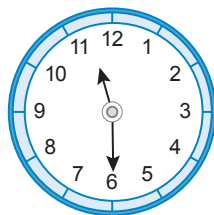
Question 11

Which clock shows the time as half past ten?

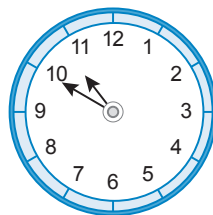
A



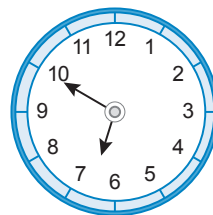
B



C



D



Question 12

$$500 - 100 = ?$$

Write your answer in the box.

Question 13

Which container would hold the most water?

A



B



C



D



YEAR 2 NUMERACY SAMPLE TEST 3

Question 14

Jess has saved these notes.



Which note or notes does she need to have \$30.00?

A



B



C



D



Question 15

Look at this number pattern.

120, 130, 140, 150, ?

What is the next number in the pattern?

A 151

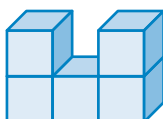
B 155

C 160

D 250

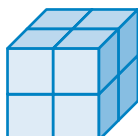
Question 16

Tom made this shape with blocks.

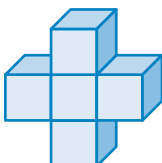


Which shape uses the same number of blocks?

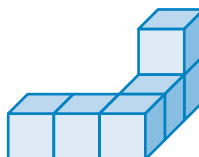
A



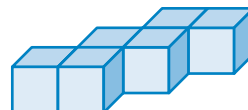
B



C



D



YEAR 2 NUMERACY SAMPLE TEST 3

Question 17

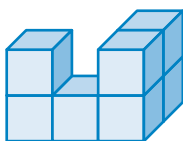
Which shape is this die most like?

- A** cube **B** square
C rectangle **D** rectangular prism



Question 18

Raj made this shape using blocks.



How many blocks did Raj use to make his shape?

- A** 6 **B** 7 **C** 14 **D** 15

Question 19

The teacher wrote this number sentence on the whiteboard.

$$3 + 3 + 3 + 3 =$$

Which of these number sentences has the same value?

- A** 4×3 **B** $4 + 3$ **C** $3 + 4$ **D** 3×3

Question 20

Which of these numbers is closest to 199?

- A** 100 **B** 190 **C** 195 **D** 201

Question 21

Jill is going to give 2 cupcakes to each of the 5 girls that come to her party.

How many cupcakes will she need?

- A** 4 **B** 5
C 10 **D** 18



YEAR 2 NUMERACY SAMPLE TEST 3

Question 22

How many days are there in 2 weeks?

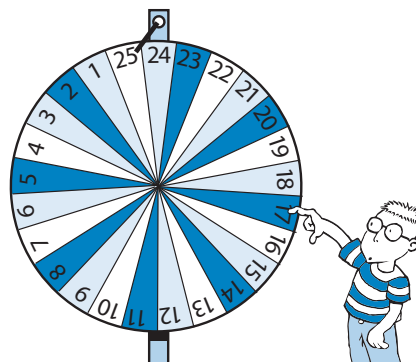
- A** 7 **B** 10 **C** 14 **D** 20

Question 23

This is a spinning chocolate wheel used at Brad's school fete.

If Brad picks number 25 to win a prize we know that on the first spin of the wheel

- A** Brad is likely to win the prize.
B Brad is certain to win the prize.
C it is impossible for Brad to win the prize.
D Brad is unlikely to win the prize.



Question 24

December is in summer.

Which season is January in?

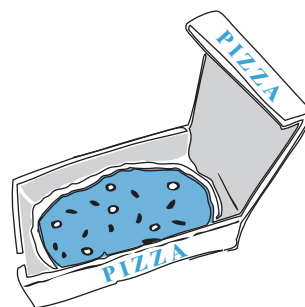
- A** summer **B** autumn **C** winter **D** spring

Question 25

Jay's mother bought 2 pizzas. She cut them into eighths.

How many slices of pizza did she get?

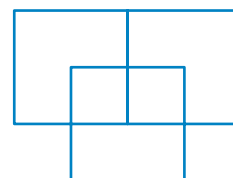
- A** 8 **B** 10
C 16 **D** 20



Question 26

How many squares are in this shape?

Write your answer in the box.



YEAR 2 NUMERACY SAMPLE TEST 3

Question 27

Jim lives 3 km from his school.

On Wednesday and Thursday he rides to school and back.

How far altogether does he ride on Wednesday and Thursday?

- A** 5 km **B** 6 km **C** 8 km **D** 12 km

Question 28

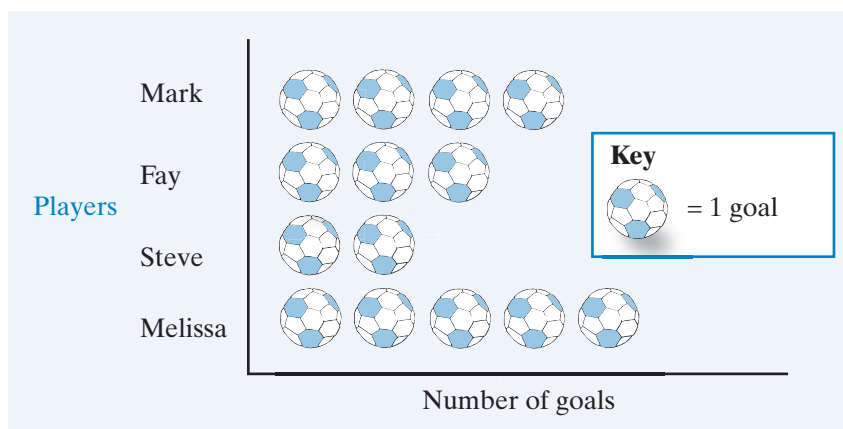
What is the closest number to 600 that you can make using these cards?



Write your answer in the box.

Question 29

This graph shows the number of goals scored by 4 players in the Strikers team.



Which player scored the most goals?

- A** Mark **B** Fay **C** Steve **D** Melissa

Question 30

Write a number in the box to make this number sentence correct.

$$65 + 10 = \boxed{}$$

END OF TEST 3

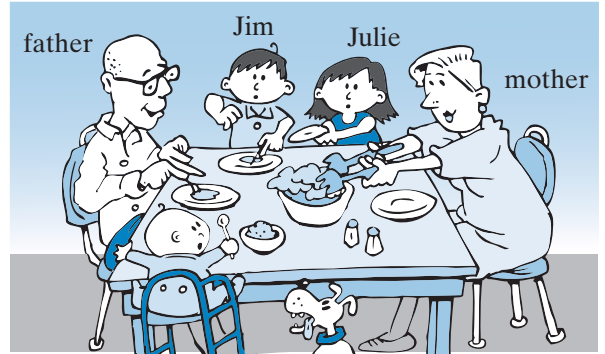


Question 1

The Mason family are having lunch.

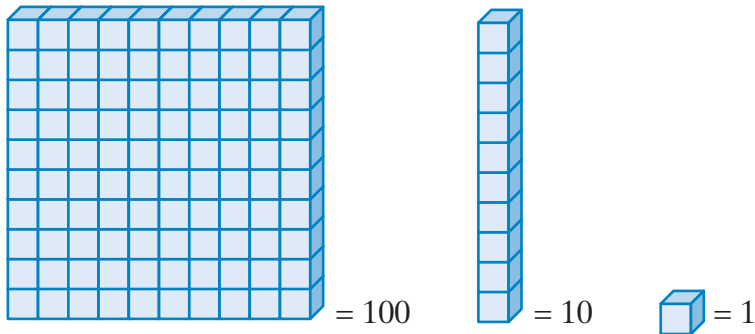
Who is sitting opposite the father?

- A Jim
- B the mother
- C Raymond
- D Julie

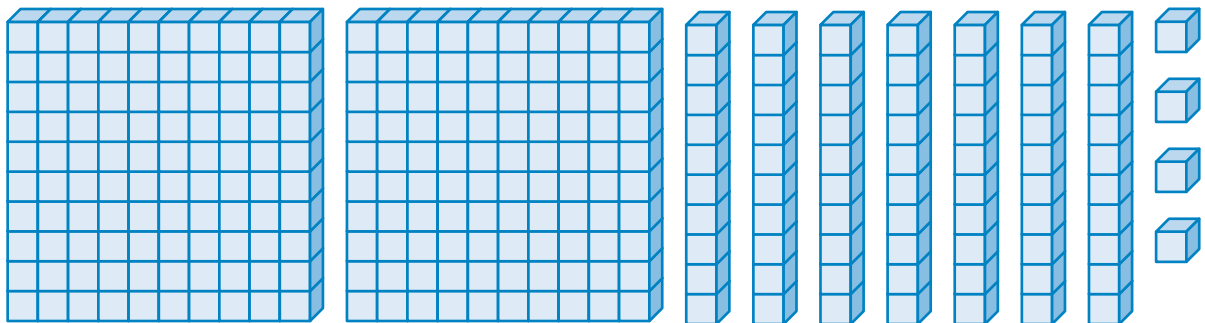


Raymond

Question 2



What is the number for these blocks?

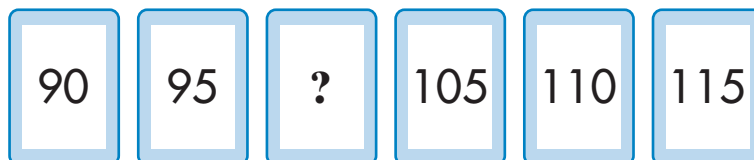


- A 174
- B 263
- C 264
- D 274

YEAR 2 NUMERACY SAMPLE TEST 4

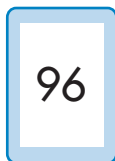
Question 3

Lucy is placing number cards in order.



Which card should Lucy put in the space?

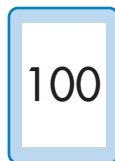
A



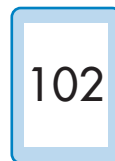
B



C



D



Question 4

Liam is reading this book. He is halfway through.



How many pages are in the book?

A

26

B

30

C

35

D

50

Question 5

Nathan had saved these coins.



He spent 50c. How much money does Nathan now have?

A

50c

B

\$1.50

C

\$2.50

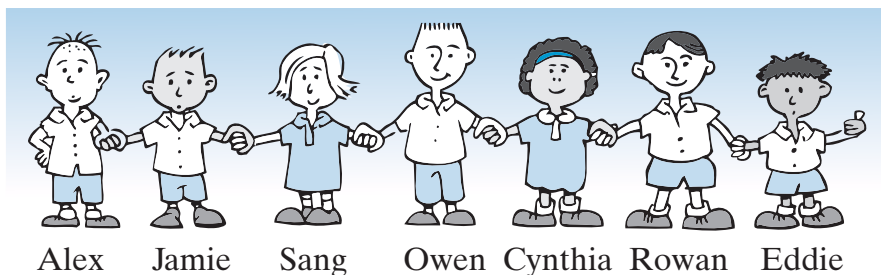
D

\$2.00

YEAR 2 NUMERACY SAMPLE TEST 4

This is a picture of some 2T students.

Use this picture for questions 6 and 7.



Question 6

Who is in the middle of the line?

- A** Sang **B** Owen **C** Cynthia **D** Rowan

Question 7

Looking at the line from the front, who is on the far right?

- A** Rowan **B** Eddie **C** Alex **D** Jamie

Question 8

Which square is cut into eighths?



Question 9

Which number sentence could Allyn use to solve $5 + 5 + 5 + 5$?

- A** $4 + 5$ **B** $5 - 4$ **C** 4×5 **D** 5×5

Question 10

Sandy started counting. She said, "15, 20, 25, 30, 35."

What number is Sandy counting by?

- A** 2 **B** 5 **C** 10 **D** 15

YEAR 2 NUMERACY SAMPLE TEST 4

Question 11

Marcie has a calendar.

What is the date after 29 February?

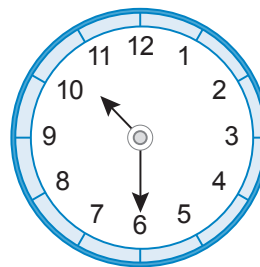
- A 30 February
- B 31 February
- C 1 March
- D 1 April

FEBRUARY						
SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29			

Question 12

Look at the time on this clockface.

Which digital clock shows the same time?



- A
- B
- C
- D

Question 13

$$50 - 5 = ?$$

Write your answer in the box.

Question 14

Jill wanted something warm. Which item would be the warmest?

- A
- B
- C
- D

YEAR 2 NUMERACY SAMPLE TEST 4

Question 15

Jack has saved these coins.



Which coin or coins does he need to have \$2?

A



B



C



D



Question 16

Look at this number pattern.

150, 155, 160, 165, ?

What is the next number in the pattern?

A 166

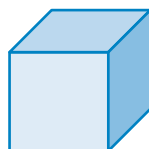
B 167

C 170

D 175

Question 17

How many faces does a cube have?



A 3

B 4

C 6

D 8

Question 18

Nell has to do four subtractions (take aways).

Which number sentence equals 4?

A $8 - 4$

B $6 - 1$

C $5 - 3$

D $5 - 4$

YEAR 2 NUMERACY SAMPLE TEST 4

Question 19

For good work this term Greg has been given these smiley face stickers.

He wants to get 10 stickers.

How many more does he have to get?

- A** 4 **B** 5
C 6 **D** 7



Question 20

Add 2 and 3 and 2.

What is the total?

- A** 6 **B** 7 **C** 8 **D** 9

Question 21

At a picnic Jay's father bought 5 ice blocks.

He gave one ice block to each of his four children.

How many ice blocks were left over?

- A** 1 **B** 2 **C** 3 **D** 4



Question 22

What do you get when you subtract 5 from 30?

- A** 15 **B** 20 **C** 24 **D** 25

Question 23

You have these 5c coins.



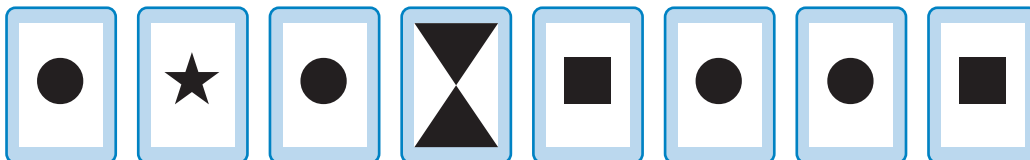
How much money do you have?

- A** 9c **B** 40c **C** 45c **D** 90c

YEAR 2 NUMERACY SAMPLE TEST 4

Question 24

Ian put these cards with shapes on them in a dark bag.



He takes one out.

Which card is Ian most likely to choose?

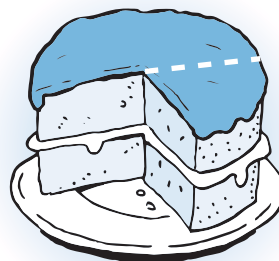


Question 25

A piece has been cut from this cake.

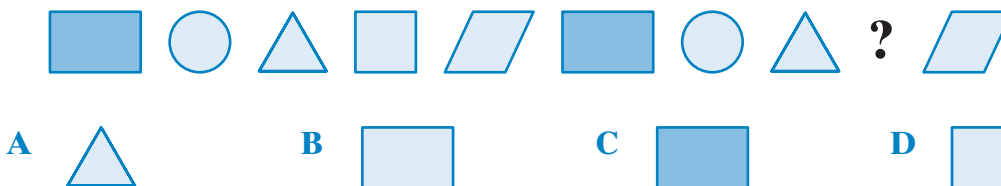
How much of the cake is left?

Write a fraction.



Question 26

What is the missing shape in this pattern?



YEAR 2 NUMERACY SAMPLE TEST 4

Question 27

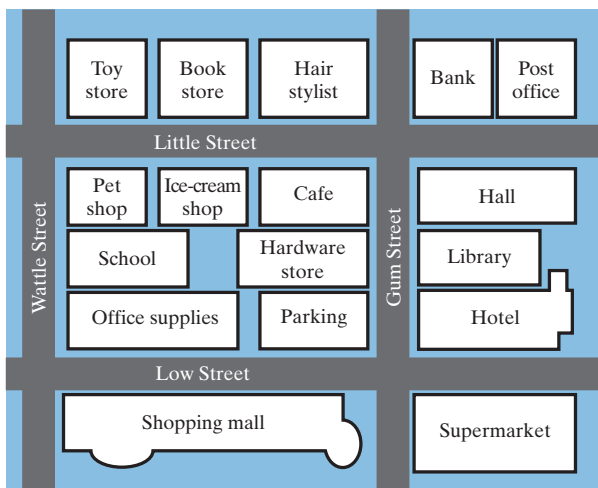
This is a map of Wongah.

Janis is at the bank.

She then goes to the shopping mall.

If she takes the shortest route, how many streets does she cross?

- A** 1 **B** 2
C 3 **D** 4



Question 28

What is the largest even number you can make using these cards?



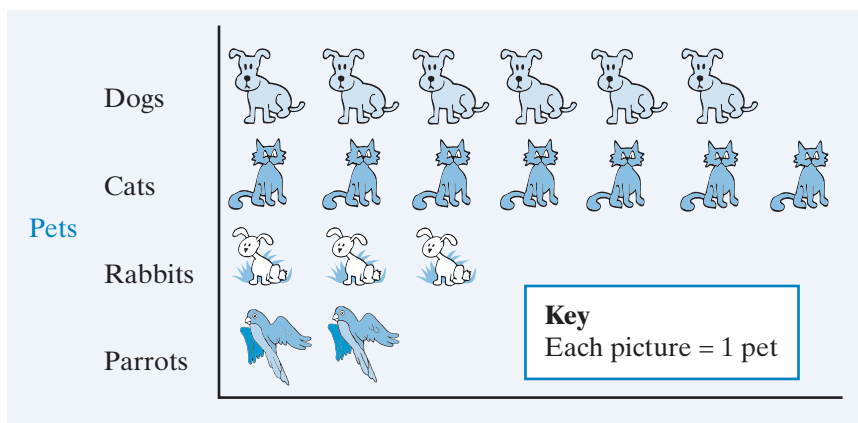
Write your answer in the box.

Question 29

This graph shows the number of pets the students in Mr Short's class have.

How many pets do the children have?

- A** 4
B 7
C 17
D 18



Question 30

Write a number in the box to make this number sentence correct.

$$110 + 5 = \boxed{}$$

END OF TEST 4

Year 2 Numeracy Sample Test 1

Pages 44–51

- | | |
|----------------------------------|------------------------------------|
| 1 C (Basic level) | 16 B (Basic level) |
| 2 B (Basic level) | 17 B (Basic level) |
| 3 B (Basic level) | 18 C (Intermediate level) |
| 4 A (Intermediate level) | 19 B (Basic level) |
| 5 D (Intermediate level) | 20 A (Intermediate level) |
| 6 B (Intermediate level) | 21 D (Advanced level) |
| 7 C (Basic level) | 22 C (Advanced level) |
| 8 D (Basic level) | 23 D (Intermediate level) |
| 9 A (Basic level) | 24 B (Advanced level) |
| 10 B (Basic level) | 25 \$2.75 (Advanced level) |
| 11 C (Intermediate level) | 26 B (Advanced level) |
| 12 D (Basic level) | 27 C (Intermediate level) |
| 13 B (Intermediate level) | 28 743 (Intermediate level) |
| 14 D (Advanced level) | 29 B (Advanced level) |
| 15 C (Intermediate level) | 30 9 (Intermediate level) |

- You may judge this with your eye but you could do measurements with the tip of your finger.
- There are 2 tens (20) and 3 ones (3). The rods represent 23.
- The numbers on the cards are counting up by ones. The missing card is the one with 19 on it.
- Find Sue. She has 3 children on either side. She is in the middle.
- Find Ann. When *you* look at the line Eve is to the right of Ann.
- If today is Friday then tomorrow must be Saturday.
- Tung has $20c + 20c + 5c$. Tung has a total of 45c.
- When a shape is divided into halves it has 2 parts that are the same. B is incorrect because it has 3 straight sides and 1 curved side.
- Addition number sentences can be written with the numbers in any order. The total is always the same. $5 + 2$ has the same total as $2 + 5$.
- In the picture of the bus you can find circles, rectangles and squares. There are no triangles.
- After 12 noon (midday) there are 4 hours up until 4 o'clock: 1 o'clock, 2 o'clock, 3 o'clock, 4 o'clock.
- $15 - 5$ equals 10. When using rods you would have a long 10 rod and 5 ones. If you take away the 5 ones you would have just the 10 rod left.
- You need to think about how heavy these objects would be if you picked them up. The stapler would have the greatest mass. It is heavier than the other three objects.
- Reanne has \$5. The bear costs \$4.50. Reanne would get 50c change. $\$4.50 + 50c = \5 .
- If one orange is cut into halves, there would be 2 pieces. Cut 2 oranges into halves and there would be 4 pieces all the same size.
- Look for repetition of shapes in the pattern. The pattern is square, circle, triangle and square. Then it starts all over again. After the second set of shapes the pattern starts again with a square. The square is followed by a circle.
- The paste jar is similar to a cylinder.
- There are 6 cubes in the front row and 6 in the back row, giving a total of 12. This includes 2 unseen cubes. Do not count all the cube faces.
- Even numbers end with 0, 2, 4, 6 or 8. The card with the even number is 34.
- The number closest to 15 is 1 away—1 below 15 which is 14.
- You need to look carefully. Do not be distracted by the length of the shapes. It is the *area* of the shapes that is important.
- The month that comes after June is July.
- One key is 5 cm long. 3 keys of the same type will be $5\text{ cm} + 5\text{ cm} + 5\text{ cm}$ which is 15 cm. You might simply multiply 5 cm by 3. That also equals 15 cm.
- You have to use your common sense. The most likely thing to happen next term is that lessons will start on time.
- You must add the amount Dionne had left to the amount Dionne spent. $\$1.50 + \1.25 equals \$2.75. You can add the cents ($50c + 25c$) then add the dollars ($\$1 + \1).

YEAR 2 NUMERACY SAMPLE TEST ANSWERS

- 26** Imagine the shape turning in the vertical line. The horizontal would then point the opposite way.
- 27** Remember there are 4 equal parts when you divide something into quarters. 3 parts would be blue and 1 part is white.
- 28** To make the largest number you start with the largest digit (7) in the hundreds place. The next largest digit (4) goes in the tens place and the smallest digit (3) goes in the ones place: 743.
- 29** You find pictures of cats opposite the name Cats. Count all the cat pictures (4). 1 picture equals 1 cat.
- 30** This is an addition number sentence. You may know $6 + 3 = 9$ or you can start with 6 and count on 3 more (7, 8, 9).

Year 2 Numeracy Sample Test 2

Pages 52–59

- | | |
|-----------------------------------|------------------------------------|
| 1 C (Basic level) | 17 A (Intermediate level) |
| 2 D (Basic level) | 18 D (Advanced level) |
| 3 B (Basic level) | 19 A (Advanced level) |
| 4 A (Basic level) | 20 B (Advanced level) |
| 5 D (Intermediate level) | 21 B (Advanced level) |
| 6 C (Basic level) | 22 C (Advanced level) |
| 7 C (Intermediate level) | 23 D (Intermediate level) |
| 8 A (Basic level) | 24 C (Advanced level) |
| 9 C (Basic level) | 25 \$3 (Intermediate level) |
| 10 B (Intermediate level) | 26 B (Advanced level) |
| 11 A (Intermediate level) | 27 TRUE
(Advanced level) |
| 12 30 (Intermediate level) | 28 689 (Intermediate level) |
| 13 D (Intermediate level) | 29 A (Advanced level) |
| 14 D (Intermediate level) | 30 7 (Advanced level) |
| 15 C (Intermediate level) | |
| 16 C (Basic level) | |

- 1** This is a counting question. Count all the balloons, even the ones where you can only see part of the balloon.
- 2** There are 3 tens (30) and 4 ones (3). The rods represent 34.
- 3** The numbers on the cards are counting backwards or down by ones. The missing card is the one with 7 on it.
- 4** Find the *Travel* book. Then find the book just above it. It is the book called *First Aid*.

- 5** Find the *Atlas*. It is the second book from the top of the stack.
- 6** Pages in books are numbered with counting numbers. The number before 59 is 58.
- 7** Lee has $\$1 + \$1 + 20c$. Lee has a total of $\$2.20$.
- 8** When shapes are cut into quarters there must be 4 parts and each part must be the same shape and size.
- 9** Addition number sentences can be written with the numbers in any order. The total is always the same. $7 + 1$ has the same total as $1 + 7$.
- 10** You have to use your common sense. Cows cannot fly so it would be impossible for a cow to fly to the moon.
- 11** Remember: there are 60 minutes in 1 hour. From a quarter past two (2:15) to half past two (2:30) is a quarter of an hour or 15 minutes.
- 12** You could simply count backwards from 40 by tens. You need to go back just 1 ten: 40, 30.
- 13** You need to think how heavy these objects would be if you picked them up. The feather would have the least mass. It is lighter than the other three objects.
- 14** Jack has $\$1$ plus 50c plus 5c: $\$1.55$. To have a total of $\$1.75$ Jack needs another 20c. $\$1.55 + 20c = \1.75
- 15** This is a counting by tens pattern. The numbers increase by 10 each time. 10 more than 35 is 45. You can see that each new ten ends with 5.
- 16** Remember there are 4 equal parts when you divide something into quarters. 4 people could have a piece of the pizza.
- 17** A party hat looks like a solid figure. It is most like a cone. A triangle is a plane figure.
- 18** This shape is made from 15 blocks. There are 2 blocks hidden from view.
- 19** Odd numbers end with 1, 3, 5, 7 or 9. The card with the odd number is 123.
- 20** Look at the numbers above and below 80. The closest number to 80 from the given numbers is 78.
- 21** Count the balloons. There are 8. If each girl got an equal share she would get 2.
- 22** Say the days of the week. The next day after Tuesday is Wednesday and the next 2 days are Thursday and Friday. Friday is 3 days after Tuesday.

YEAR 2 NUMERACY SAMPLE TEST ANSWERS

- 23** You can add 10 cm three times ($10 + 10 + 10$) which equals 30 cm. You can also multiply 10 cm by 3 ($3 \times 10 \text{ cm} = 30 \text{ cm}$).
- 24** To find the letter that Casey is most likely to choose you have to count the number of cards for each letter. The letter X is on 3 cards. Casey is most likely to choose an X card.
- 25** You must add the amount Gavin had left to the amount Gavin spent. $80c + \$2.20$ equals $\$3.00$.
- 26** The shape cut from the piece of paper is a rectangle. It has been cut at an angle, across the piece of paper, but it is still a rectangle. The only option that is a rectangle is option B. The rectangle has been rotated.
- 27** Think about the way the hands of a clock go. George is going in a clockwise direction.
- 28** To make the smallest number you start with the smallest digit (6) in the hundreds place. The next smallest digit (8) goes in the tens place and the largest digit (9) goes in the ones place: 689.
- 29** You have to count the number of pets of each type. Dogs are the most popular pets. There are 6 dogs. You can also tell by looking at the length of the line for each pet. Dogs make a longer line.
- 30** This is a subtraction number sentence (or take away). You may know $10 - 3 = 7$ or you can start with 10 and count back 3 places (9, 8, 7).

- 1** Count the balloons, then take 2 away: $6 - 2 = 4$. Another way would be to put a cross on 2 of the balloons and count the balloons that are left.
- 2** The \$1 coin has the highest value. The value has nothing to do with the size. The higher value coins are the gold coins.
- 3** The numbers are all less than 100. Look at the digit in the tens position and ignore the number in the ones position. 91 is the highest number.
- 4** Find the book *First Aid*. You should know your right hand. Find the book that is on the right of *First Aid*. It is *Cooking*.
- 5** Go to the book on the far left: *Horses*. The book two from the far left is the *Dictionary*.
- 6** Even numbers end with 0, 2, 4, 6 or 8. The next even number after 10 is 12.
- 7** You can count by twos and add 1: \$2, \$4, \$6, \$8 + \$1 = \$9 or you can say $4 \times \$2 = \8 then add another dollar (\$1).
- 8** It is FALSE. A quarter is smaller than one-half. The larger the bottom number of a fraction the smaller the fraction is (as long as the top number on both fractions are the same).
- 9** You could count on from 7: 8, 9, 10. You counted on three (3) numbers. You could also do this as a subtraction. $10 - 7 = 3$
- 10** Count the balloons. You have to make 3 equal groups. You divide 6 by 3 which gives you 2 balloons for each person.
- 11** Look at the big minute hand. It must be halfway round the clockface—on the 6. The little hand or hour hand must be halfway between 10 and 11. In these positions the hands are showing half past ten.
- 12** Counting by hundreds is much the same as counting by tens. Counting back from 500 you first say 400. $500 - 100 = 400$
- 13** Look at the size of the containers. A bucket would hold more than the other containers.
- 14** Jess has a \$10 note and a \$5 note: $\$10 + \$5 = 15$. To have saved \$30 Jess needs another \$10 note and a \$5 note. $\$15 + \$15 = \$30$
- 15** This is a counting by tens question. Ten more than 150 is 160.

Year 2 Numeracy Sample Test 3

Pages 60–66

- | | |
|------------------------------------|-----------------------------------|
| 1 A (Basic level) | 16 B (Intermediate level) |
| 2 B (Basic level) | 17 A (Basic level) |
| 3 C (Basic level) | 18 B (Advanced level) |
| 4 D (Intermediate level) | 19 A (Advanced level) |
| 5 B (Intermediate level) | 20 D (Intermediate level) |
| 6 B (Basic level) | 21 C (Advanced level) |
| 7 C (Basic level) | 22 C (Advanced level) |
| 8 FALSE (Basic level) | 23 D (Advanced level) |
| 9 D (Intermediate level) | 24 A (Advanced level) |
| 10 B (Intermediate level) | 25 C (Intermediate level) |
| 11 A (Intermediate level) | 26 5 (Advanced level) |
| 12 400 (Intermediate level) | 27 D (Advanced level) |
| 13 D (Basic level) | 28 581 (Advanced level) |
| 14 B (Intermediate level) | 29 D (Intermediate level) |
| 15 C (Intermediate level) | 30 75 (Intermediate level) |

YEAR 2 NUMERACY SAMPLE TEST ANSWERS

- 16** Count the blocks carefully. Tom has used 5 blocks. The cross shape also has 5 blocks.
- 17** A die is a solid shape and is most like a cube.
- 18** Count the blocks carefully, not the faces. Raj used 7 blocks to make his shape.
- 19** The addition could be written as 4 lots of 3 or 4×3 .
- 20** Look at the numbers above and below 199. The closest number to 199 from the given numbers is 201.
- 21** This is a multiply sentence: 5 lots of 2 or 5×2 , which equals 10. You could also count by twos for each of the 5 girls: 2, 4, 6, 8, 10.
- 22** A full week has 7 days. 2 weeks would be 2 lots of 7 equals 14, or you could just add 7 and 7. Don't think of a school week which has 5 days.
- 23** There are 25 numbers on this chocolate wheel. Brad really only has 1 chance in 25 of picking the winning number. Brad is unlikely to win a prize.
- 24** December, January and February are the three summer months.
- 25** Each pizza is cut into 8 pieces. For 2 pizzas there would $8 + 8$ pieces, which is 16 pieces. You could just say $2 \times 8 = 16$.
- 26** Count the big squares (3) then the small squares (2). You have 5 squares. Do not count the rectangle at the bottom. It is not a square.
- 27** School is 3 km away. If Jim rides to school and back on 1 day he rides 6 km ($3 \text{ km} + 3 \text{ km}$). If he rides on 2 days he rides 6 km on Wednesday and 6 km on Thursday. $6 \text{ km} + 6 \text{ km} = 12 \text{ km}$
- 28** If you start with 5 in the hundreds position and build up you can make 581. Starting with the other 2 numbers makes the number either in the 1 hundreds or the 8 hundreds.
- 29** You have to count the number of soccer balls for each player. Melissa has the most balls (5) so she scored the most goals. You can also tell by looking at the length of the line for each player. Melissa's soccer balls make a longer line.
- 30** This is counting by tens. Ten more than 65 is 75.


Year 2 Numeracy Sample Test 4

Pages 67–74

- | | |
|----------------------------------|--|
| 1 B (Basic level) | 17 C (Advanced level) |
| 2 D (Intermediate level) | 18 A (Intermediate level) |
| 3 C (Basic level) | 19 C (Intermediate level) |
| 4 D (Intermediate level) | 20 B (Basic level) |
| 5 C (Basic level) | 21 A (Intermediate level) |
| 6 B (Basic level) | 22 D (Intermediate level) |
| 7 B (Basic level) | 23 C (Advanced level) |
| 8 A (Basic level) | 24 A (Advanced level) |
| 9 C (Intermediate level) | 25 $\frac{3}{4}$ (Advanced level) |
| 10 B (Basic level) | 26 D (Advanced level) |
| 11 C (Advanced level) | 27 C (Advanced level) |
| 12 C (Basic level) | 28 814 (Advanced level) |
| 13 45 (Basic level) | 29 D (Advanced level) |
| 14 D (Intermediate level) | 30 115 (Intermediate level) |
| 15 A (Basic level) | |
| 16 C (Intermediate level) | |

- 1** The mother is sitting opposite the father. She is on the other side of the table.
- 2** There are 2 hundreds (200), 7 tens (70) and 4 ones (4). The number is 274.
- 3** Lucy's numbers are going up in fives. 5 more than 95 is 100.
- 4** Liam is up to page 25. 25 is half of 50. There are 50 pages in his book.
- 5** Nathan has three \$1 coins or \$3. \$3 less 50c is \$2.50.
- 6** Count the number of people in the line (7). To find the person in the middle look for the person who has the same number of people on the right and left. Owen has 3 people on either side. He is in the middle.
- 7** You should know your right hand. The person on the far right is Eddie. He is at the end of the line.
- 8** When a shape is cut into eighths there has to be 8 parts all the same size. Option A has 8 equal triangles.
- 9** There 4 lots of 5. Allyn could solve this addition by doing a multiplication: 4×5 .
- 10** Sandy's numbers are going up by 5 each time. She is counting by fives.

YEAR 2 NUMERACY SAMPLE TEST ANSWERS

- 11** Find 29 on the calendar. It is the last day in February. The next day is the first day of a new month. The next month is March. The next day will be 1 March.
- 12** Look at the big minute hand. It is halfway around the clockface, that is, on the 6. Thirty minutes have passed in that hour. The little hand or hour hand is halfway between 10 and 11. The time on the clockface is half past ten. On the digital clock that is 10:30.
- 13** Count backwards five numbers and you will get 45. You might recognise that you could have also counted backwards by 1 five.
- 14** The cup of tea (or coffee) is steaming. It is warmer than the other three items.
- 15** Jack has a \$1 coin and a 50c coin. He has \$1.50. Jack needs another 50c to have \$2. To make 50c he can have two 20c coins and one 10c coin. $20c + 20c + 10c = 50c$
- 16** The numbers are increasing by fives. The next number after 165 will be 170.
- 17** The faces of a cube are all the flat surfaces. A cube has 6 faces. Three faces are hidden from view on this picture.
- 18** You have to do each subtraction and find the one that has the answer 4. We call the answer in subtractions the *difference*.
- 19** You could count on from 4 to 10: 5, 6, 7, 8, 9, 10. You counted on six (6) numbers. You could also do this as a subtraction: $10 - 4 = 6$.
- 20** This is a simple addition of three numbers: $2 + 3 + 2$. The total is 7.
- 21** Count the ice blocks then take 4 away: $5 - 4 = 1$. Another way would be to put a cross on 4 of the ice blocks and count the ice blocks that are left (1).
- 22** You could simply count backwards from 30 by fives. You need to go back just 1 five. Five before 30 is 25.
- 23** The coins are each 5c. You could touch each coin as you count by five. You could count the number of coins and multiply by 5: $5 \times 9 = 45$.
- 24** Count the cards that have the same shape. The card is the most common. There are 4 such cards. Ian is most likely to choose this card.
- 
- 25** You have to know that one-half is the same as two-quarters. Three-quarters ($\frac{3}{4}$) of the cake is left.
- 26** Look for repetition of shapes in the pattern. The pattern is dark blue rectangle, circle, triangle, square and rhombus. Then it starts all over again. A square comes after the triangle in the second set of shapes.
- 27** Janis can choose several ways to get to the shopping mall from the bank crossing the least possible number of streets. Whichever short way Janis goes she has to cross 3 streets.
- 28** Even numbers end with 0, 2, 4, 6 or 8. The largest digit becomes a hundred (800). That means your number must end with the 4. The correct number is 814.
- 29** You must count all the pets the children have: $6 + 7 + 3 + 2$. The total number of pets is 18.
- 30** This is an addition. You could count on the next five numbers (115). You might also see that it is also a counting by fives operation.