

NUMERACY

YEAR
3
2012

0:45

Time available for students to
complete test: 45 minutes

Use 2B or HB
pencil **only**



YEAR 3 NUMERACY

1 Which of these is equal to $3 + 4$?

$4 + 3$

☐

4×3

☐

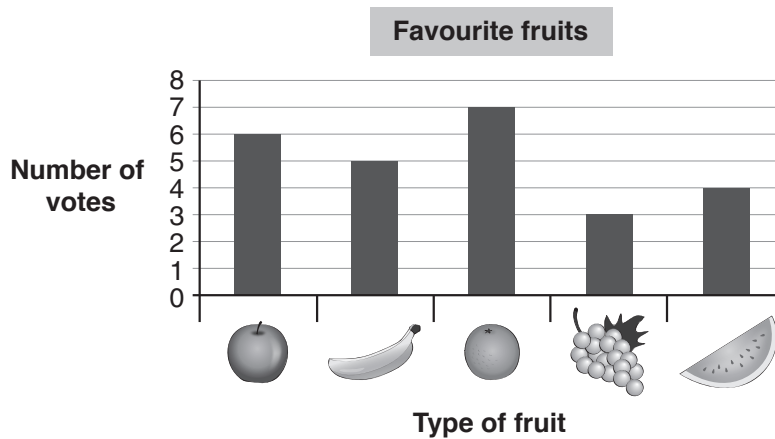
$4 \div 3$

☐

$4 - 3$

☐

2 Each student in a class voted for their favourite fruit.



How many students voted for  ?

4

☐

5

☐

6

☐

7

☐

YEAR 3 NUMERACY

3

Clare drew this picture of the main street in her town.



Which building is **between** the hairdresser and the butcher?

- ☐ Bank
- ☐ Library
- ☐ Chemist
- ☐ Video Shop

4

Some ink is covering the next page number in this book.

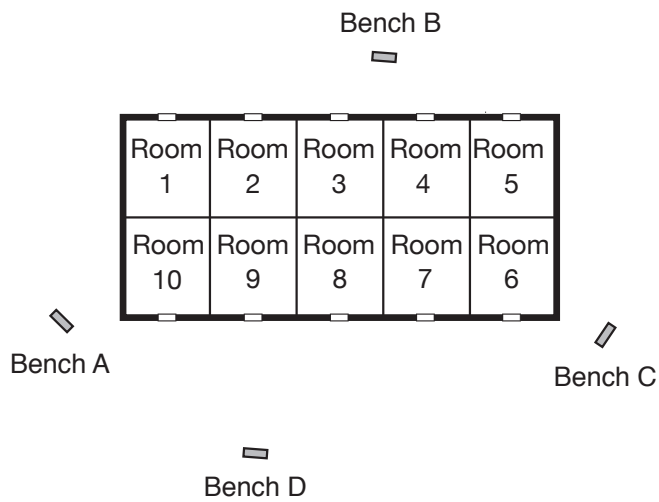


What is the page number under the ink?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 301 | 310 | 400 | 3001 |
| ☐ | ☐ | ☐ | ☐ |

YEAR 3 NUMERACY

5



Alice walks out of the door of Room 7 and goes to the nearest bench.
Which bench does she go to?

Bench A

☐

Bench B

☐

Bench C

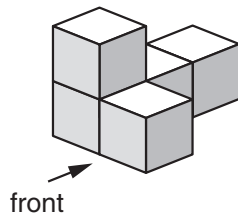
☐

Bench D

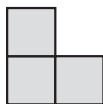
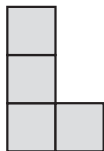
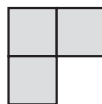
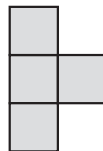
☐

6

Five cubes are stacked together as shown.



Which of these is the front view?


☐

☐

☐

☐

YEAR 3 NUMERACY

- 7** Jack's football game is tomorrow.
Today is Thursday.

Which of these is certain?

- ☐ Jack's team will win.
- ☐ It will rain during the game.
- ☐ Tomorrow is Friday.
- ☐ Jack trains on Wednesday.

8 $200 + 60 + 3 = ?$

200 603

☐

20 063

☐

2 603

☐

263

☐

- 9** How long is half an hour?

- ☐ 15 seconds
- ☐ 15 minutes
- ☐ 30 seconds
- ☐ 30 minutes
- ☐ 50 minutes

10 $47 + 16 = ?$

53

☐

62

☐

63

☐

513

☐

YEAR 3 NUMERACY

11

Mrs Chan wrote this sentence on the board.

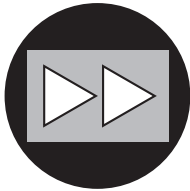
The difference between 65 and 37 is 28.

Which one of these matches Mrs Chan's sentence?

- ☐ $65 - 37 = 28$
- ☐ $65 + 37 = 28$
- ☐ $28 + 65 = 37$
- ☐ $37 - 28 = 65$

12

This is the button Alex presses to fast forward a DVD.



Which shape is **not** shown on the button?

rectangle

triangle

circle

square

☐

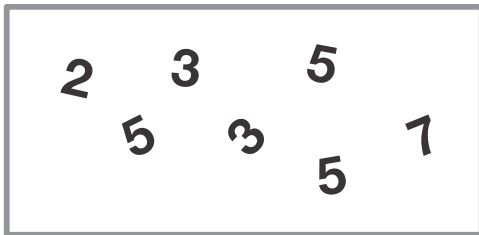
☐

☐

☐

13

This is a box of numbered balls.



A ball is taken from the box without looking at the number.

Which number is most likely to be on the ball taken from the box?

2

3

5

7

☐

☐

☐

☐

YEAR 3 NUMERACY

- 14** Emma put her watch on upside down.
When she looked at it she saw this.



At what time did she look at her watch?

1:30

☐

2:30

☐

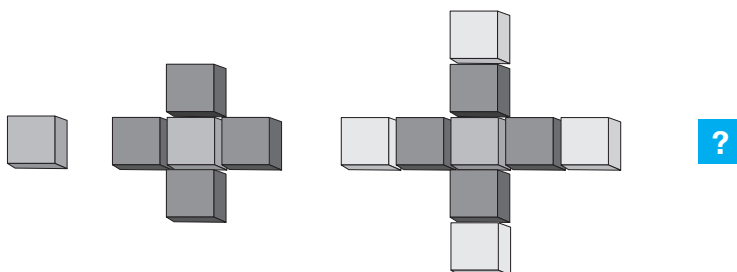
1:06

☐

7:00

☐

- 15** Lara used blocks to make a pattern.



She used 1 block in her first shape, 5 blocks in her second shape and 9 blocks in her third shape.

How many blocks are in the next shape in Lara's pattern?

12

☐

13

☐

14

☐

16

☐

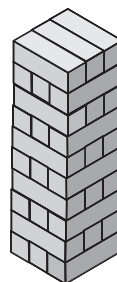
YEAR 3 NUMERACY

16

Freya makes this tower from identical blocks.

Which of these shows how to find the total number of blocks?

- ☐ 3×10
- ☐ 6×10
- ☐ $3 + 3 + 10$
- ☐ $5 \times 3 + 3$



17

Josh went to the dentist on 8 June. He has to visit the dentist again in exactly 2 weeks.

When will Josh visit the dentist again?

- ☐ 10 June
- ☐ 15 June
- ☐ 21 June
- ☐ 22 June

June						
S	M	T	W	T	F	S
			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	30		

18

Luke stuck this sign to the outside of his shop window.



What does the sign look like from the **inside** of the shop?



☐



☐



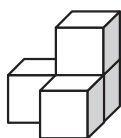
☐



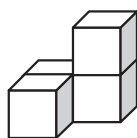
☐

YEAR 3 NUMERACY

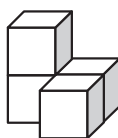
- 19** Chris has these puzzle pieces.



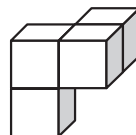
Piece 1



Piece 2



Piece 3



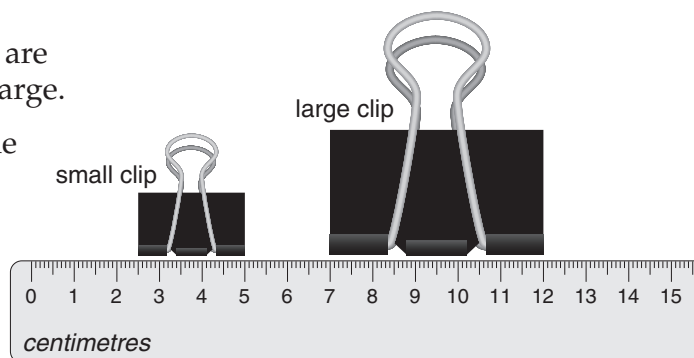
Piece 4

Which two of these pieces could fit together to make a cube?

- ☐ Piece 1 and Piece 2
- ☐ Piece 2 and Piece 3
- ☐ Piece 2 and Piece 4
- ☐ Piece 3 and Piece 4

- 20** Alan has 3 clips.
The sizes of the clips are small, medium and large.

The picture shows the lengths of the small and large clips.

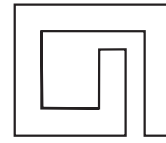
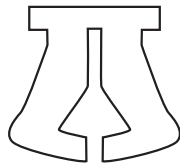


What could the length of the medium clip be?

- 2 centimetres ☐
- 4 centimetres ☐
- 6 centimetres ☐
- 8 centimetres ☐

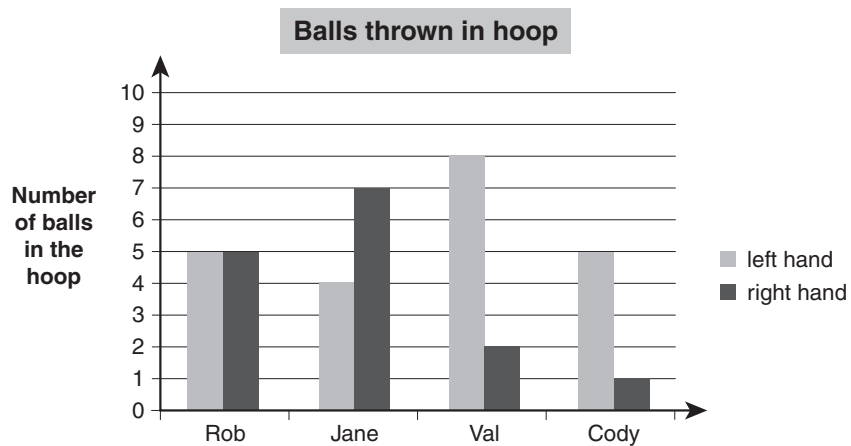
YEAR 3 NUMERACY

- 21** Which of these shapes has one line of symmetry?



- 22** Some friends try to throw a ball into a hoop. They each throw 10 times with their left hand and 10 times with their right hand.

Here are the results.



Who threw the most balls into the hoop?

Rob



Jane



Val



Cody



YEAR 3 NUMERACY

23

In Year 4 there are 13 more girls than boys.
Trent knows there are 49 girls.

How can Trent work out the number of boys in Year 4?

- ☐ add 49 to 13
- ☐ subtract 13 from 49
- ☐ multiply 13 by 49
- ☐ divide 49 by 13

24

Kate has this much money.



She buys an apple for 75 cents.

How much money does Kate have left?

25 cents

35 cents

40 cents

45 cents

☐

☐

☐

☐

25

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

$$32 - \boxed{} = 14$$

YEAR 3 NUMERACY

- 26 These shapes are the five faces of a 3D object.



What is the name of the object?

- ☐ cone
- ☐ square pyramid
- ☐ triangular pyramid
- ☐ triangular prism

- 27 Dean had some money in his pocket.
He spent \$1.25 and then had \$1.95 left.
How much money did Dean start with?

\$.

- 28 These clocks show two times in the afternoon.



How many minutes are there between the two times?

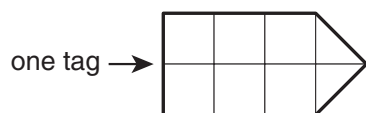
minutes

YEAR 3 NUMERACY

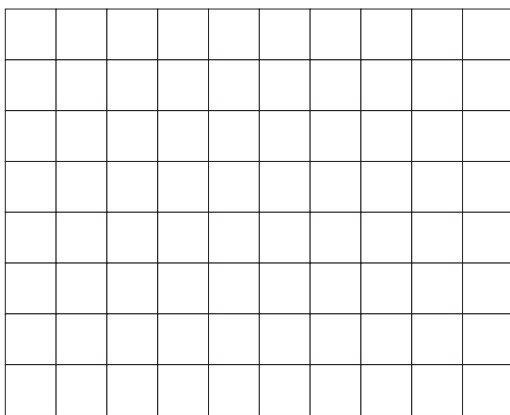
29

Fran is cutting tags from a sheet of cardboard.

Each tag looks like this.



Fran throws away any pieces that are not whole tags.

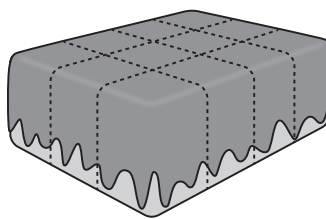
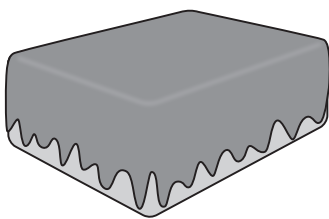


What is the **greatest** number of tags that Fran can cut from this sheet?

30

This cake has icing on five faces.

It is sliced through using 5 cuts, as shown.

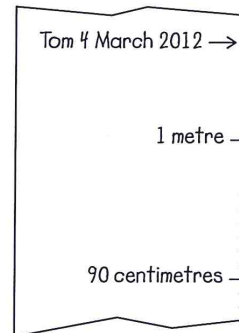


How many pieces of cake have icing on only two faces?

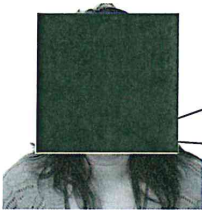
YEAR 3 NUMERACY

- 31** This is part of a height chart in Tom's room.
How many centimetres tall was Tom on 4 March 2012?

centimetres



- 32** Mrs Collins asks her students to follow these steps.



Think of an even number between 1 and 10.
Halve it.
Add the number you started with.
Multiply by 4.
Divide by the number you started with.

What answer should everyone get?

- 33** Each new number in this pattern is made by adding together the two numbers before it.

?, 16, 23, 39

What is the first number in the pattern?

YEAR 3 NUMERACY

- 34** 8 of the same stickers cost 40 cents.

How many cents does one sticker cost?

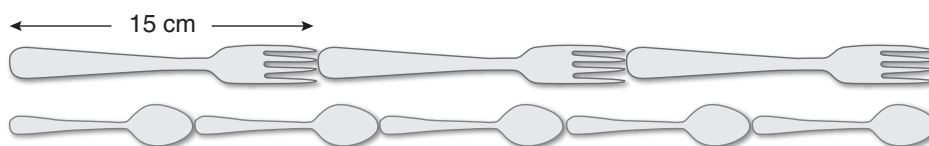
cents

What is the greatest number of stickers that can be bought with exactly \$5?

- 35** Billy puts some forks and spoons end to end.

3 forks make the same length as 5 spoons.

Each fork is 15 centimetres long.



How many centimetres long is each spoon?

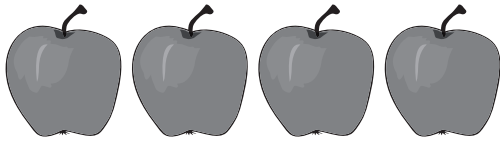
centimetres

STOP – END OF TEST

YEAR 3 NUMERACY

PRACTICE QUESTIONS

P1 How many apples are shown?



3

☐

4

☐

5

☐

6

☐

P2 Write a number in the box to make this number sentence correct.

$6 + 4 = \boxed{}$