

MCEECDYA

Ministerial Council for Education,
Early Childhood Development and Youth Affairs

NATIONAL ASSESSMENT PROGRAM
LITERACY AND NUMERACY

NUMERACY

YEAR

3

2010

0:45

Time available for students to
complete test: 45 minutes

Use 2B or HB
pencil **only**



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YEAR 3 NUMERACY

- 1 Some students voted for their favourite animal.

Shade one bubble.

FAVOURITE ANIMAL	
Animal	Tally
Cat	
Dog	
Fish	
Horse	

How many students voted for Horse?

9

☐

10

☐

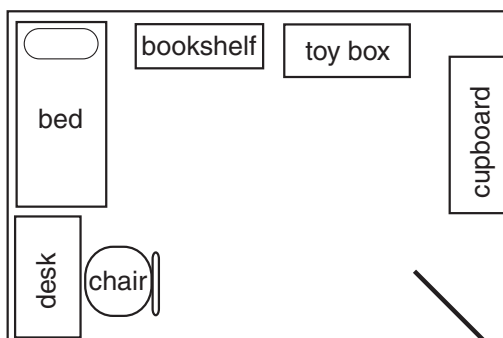
11

☐

12

☐

- 2 Jay drew this plan of his bedroom.



What is between the bed and the toy box?

bookshelf

☐

desk

☐

chair

☐

cupboard

☐

YEAR 3 NUMERACY

- 3 Anna has these balloons.

Shade one bubble.



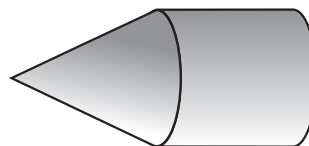
She gives **half** of the balloons to Nathan.

How many balloons does Anna give to Nathan?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 2 | 4 | 8 | 16 |
| ☐ | ☐ | ☐ | ☐ |

- 4 Steve joined two blocks together to make this object.

He used a cone and a



- ☐ cube.
- ☐ cylinder.
- ☐ square pyramid.
- ☐ rectangular prism.

- 5 Which one of these equals 564?

$5 + 6 + 4$

☐

$50 + 60 + 40$

☐

$500 + 40 + 6$

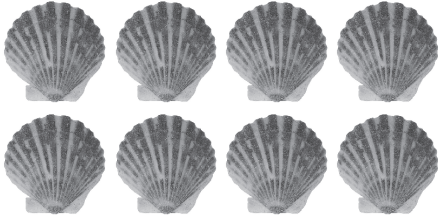
☐

$500 + 60 + 4$

☐

YEAR 3 NUMERACY

- 6 Emma had these shells.



She kept 5 and gave the rest to Harry.

How many shells did Emma give to Harry?

3

☐

4

☐

5

☐

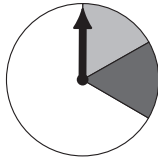
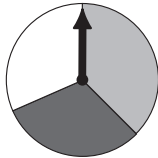
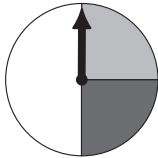
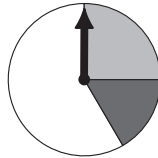
8

☐

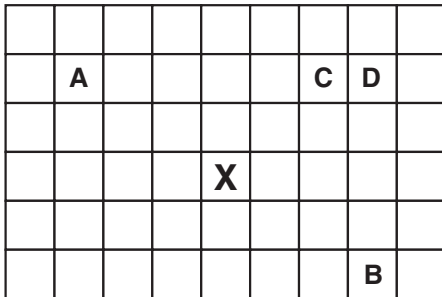
Shade one bubble.



- 7 Which spinner is **most likely** to stop on white?


☐

☐

☐

☐

- 8



Mel's counter is at **X**.

She moves the counter right 3 squares and then up 2 squares.

Where does Mel move the counter to?

A

☐

B

☐

C

☐

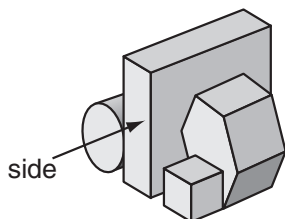
D

☐

YEAR 3 NUMERACY

- 9 Nick made this model with cardboard objects.

Shade one bubble.



Which of these shows the view from the side?



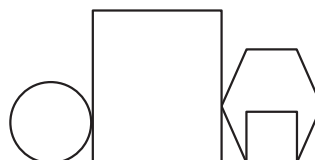
☐



☐



☐



☐

- 10 Gina has only these coins.



She buys a magazine for \$1.95.

How much money does Gina have left?

\$1.00

☐

\$1.10

☐

\$2.00

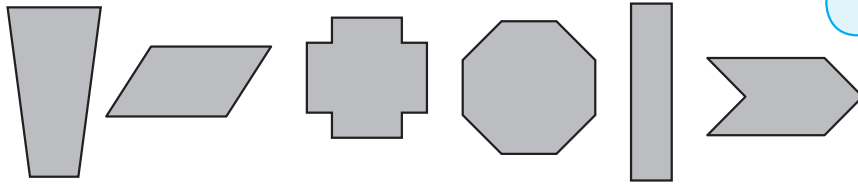
☐

\$2.10

☐

YEAR 3 NUMERACY

11



Shade one bubble.



How many of these shapes have exactly 4 sides?

2

☐

3

☐

4

☐

5

☐

12

Henry puts cards into 4 equal piles.
Each pile has 20 cards.

How many cards does Henry have altogether?

5

☐

24

☐

80

☐

100

☐


13

Ben collected 68 cans.
Jack collected 109 cans.

How many cans did Ben and Jack collect altogether?

167

☐

168

☐

176

☐

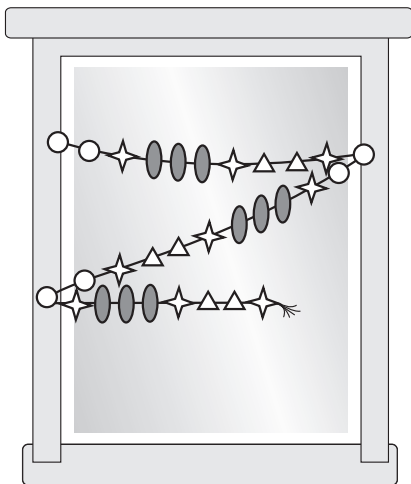
177

☐

YEAR 3 NUMERACY

- 14 The lights on this window make a pattern.

Shade one bubble.



Which of these shows the order of the next four lights?

- ☐ star, oval, oval, star
- ☐ white circle, white circle, star, oval
- ☐ star, white circle, white circle, star
- ☐ oval, oval, oval, star

- 15



What time does this clock show?

3:08

3:40

8:03

8:15

☐

☐

☐

☐

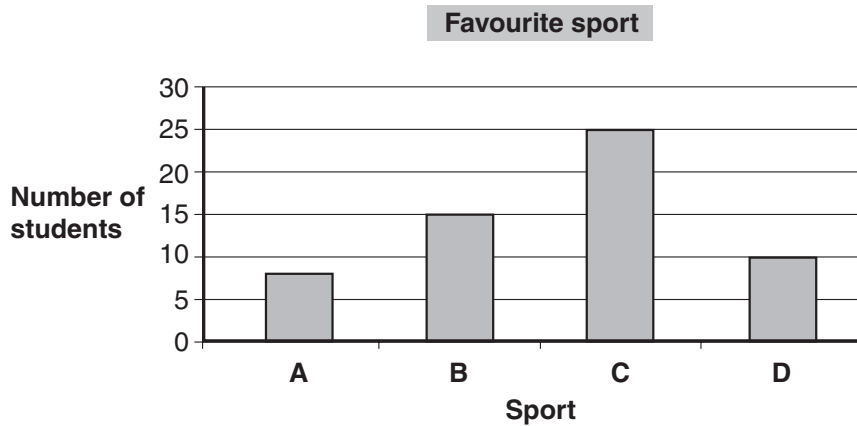
YEAR 3 NUMERACY

- 16** Some students chose their favourite sport. They made a graph.

- Swimming was the **most** popular.
- Football was **more** popular than cricket.
- Netball was **less** popular than football.

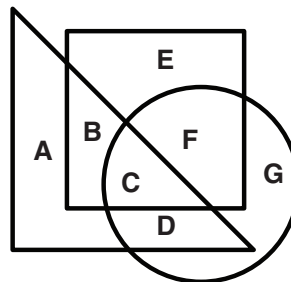
Which column shows football on the graph?

Shade one bubble.



A **B** **C** **D**
☐ ☐ ☐ ☐

- 17** Which letter is in the square and also in the triangle, but **not** in the circle?



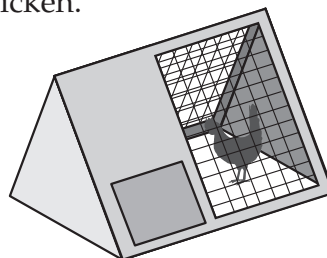
Write your answer in the box.

YEAR 3 NUMERACY

- 18** Natalie made a hutch for her pet chicken.

Her hutch is most like a

- ☐ rectangular prism.
- ☐ rectangular pyramid.
- ☐ triangular pyramid.
- ☐ triangular prism.



Shade one bubble.



- 19** Ryan is making a calendar.
3 July is a Friday.

What day is 27 July?

- ☐ Monday
- ☐ Tuesday
- ☐ Sunday
- ☐ Wednesday



July						
			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	31	

- 20** These biscuits are sold in packets of 10.
Shelley wants to give one biscuit to each of her 27 classmates.

What is the **least** number of packets that Shelley needs?



- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 |
| ☐ | ☐ | ☐ | ☐ |

YEAR 3 NUMERACY

- 21 This is a picture of a shoe.

Shade one bubble.



Which of these is closest to the length of a **real** shoe?

5 cm

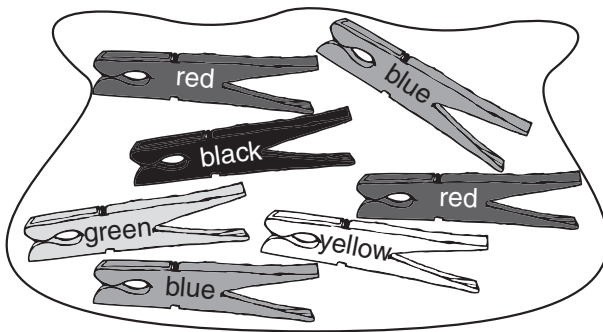
25 cm

75 cm

100 cm

☐☐☐☐

- 22 Jess takes 2 pegs out of this bag at the same time.



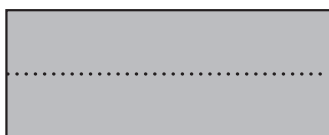
Which of these is **impossible**?

- ☐ a blue peg and a black peg
- ☐ a red peg and a red peg
- ☐ a green peg and a green peg
- ☐ a yellow peg and a black peg

YEAR 3 NUMERACY

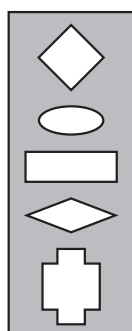
- 23** Mandy folds a rectangle of paper along the dotted line and cuts out some shapes.

Shade one bubble.

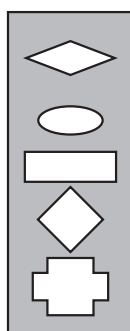


She unfolds the paper and turns it around.

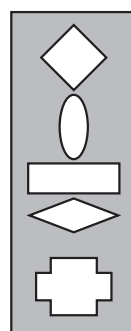
Which of these is Mandy's paper?



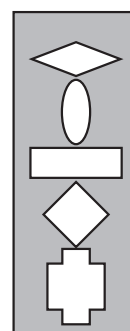
☐



☐



☐



☐

- 24** James makes 12 pizzas.
He puts 4 pizzas on trays like this.



Which of these shows how James could work out the number of trays he needs?

$12 \div 4$

☐

12×4

☐

$12 - 4$

☐

$12 + 4$

☐

YEAR 3 NUMERACY

25



Shade one bubble.



How many quarters are there in two and a half oranges?

5

☐

6

☐

9

☐

10

☐

26

Dana started at 10 and made this number pattern.

10, 11, 13, 16, 20, 25, ?

What is the next number in the pattern?

26

☐

30

☐

31

☐

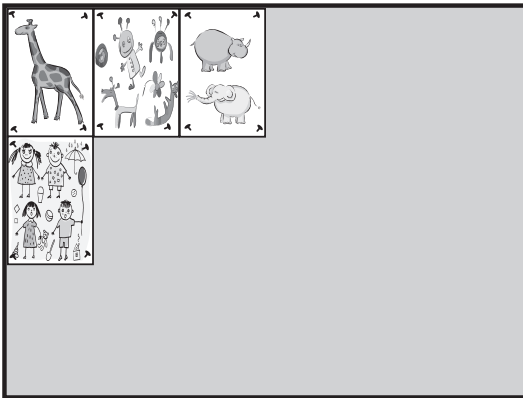
35

☐

27

A teacher starts to pin the class paintings on the display board like this.

Write your answer in the box.



How many paintings of the same size will fit on the board **altogether**?

YEAR 3 NUMERACY

- 28** Year 3 students go on a trip.
This is the plan for the day.

Shade one bubble.



Start time	Activity
9:45	Leave school by bus
10:30	Arrive at Aquarium
11:30	Morning tea
11:45	Feed the seals
12:45	Lunch at the park
1:30	See movie 'Under the Sea'
2:45	Leave by bus
3:30	Arrive back at school

At 1:00 the students will be

- ☐ with the seals.
- ☐ seeing the movie.
- ☐ having morning tea.
- ☐ at the park.

- 29** Josh had these tiles.



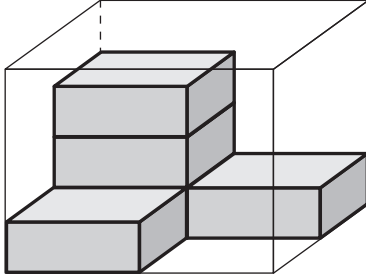
He then turned each tile a quarter turn clockwise.

Which of these is his new design?

- ☐
- ☐
- ☐
- ☐

YEAR 3 NUMERACY

- 30** There are 5 small boxes in this carton, all of the same size.



Write your answer
in the box.



How many small boxes can fit in the carton **altogether**?

- 31** A group of students was in 5 teams.

Team	Number of students
Comets	4
Supers	7
Stars	5
Champs	11
Kings	3

Some students changed teams.
The teams now have an equal number of students.
How many students are now in each team?

- 32** Laura buys a cap and a bag.
The total cost is \$25.
The bag costs \$5 more than the cap.
What is the cost of the cap?

\$

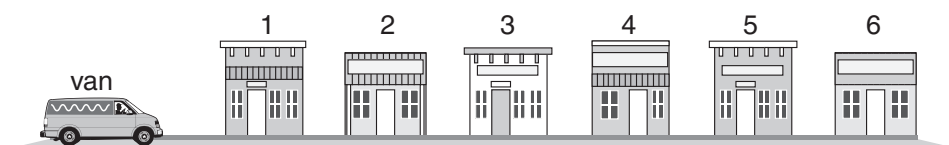


YEAR 3 NUMERACY

- 33** A school has 10 boxes of footballs.
Four boxes have 6 footballs in each box.
The other boxes have 5 footballs in each box.
How many footballs are there **altogether**?

Write your answer
in the box.

- 34** There are 60 boxes in a van.
There are 6 shops.
Seven boxes are delivered to each shop.



How many boxes are left in the van after shop 6?

- 35** A pyramid is made using **all** of these faces.



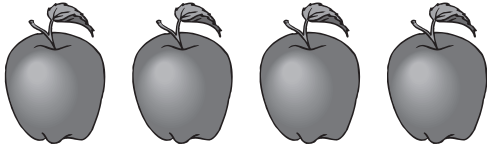
How many edges does it have?

STOP – END OF TEST

YEAR 3 NUMERACY

PRACTICE QUESTIONS

P1 How many apples are shown?



3

☐

4

☐

5

☐

6

☐

Shade one bubble.



P2 Here is a number pattern.

2, 4, 6, 8, ?

What is the next number in the pattern?

☐ 9

☐ 10

☐ 11

☐ 12

P3 $6 + 5 =$

Write your answer in the box.

