

NAPLAN*-style

YEAR
5

SAMPLE TEST 3

NUMERACY

FIRST NAME _____

LAST NAME _____

SCHOOL'S NAME _____

0:50

Time available for students to complete the Numeracy Test: 50 minutes

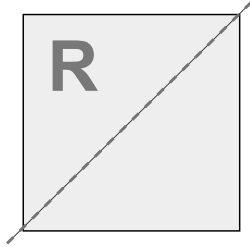


Use 2B or HB pencil **only**.

YEAR 5 NUMERACY

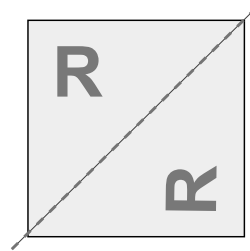
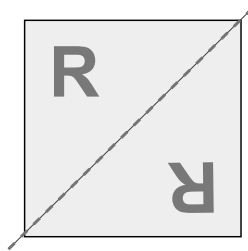
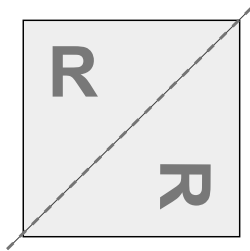
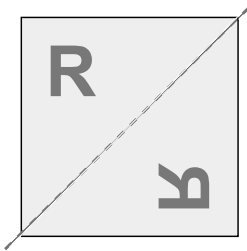
- 1** Enoch painted the letter **R** on one half of a square.

Shade one bubble.



Before the paint could dry, he folded the square along the dotted line.

Which diagram shows Enoch's square?



- 2** Which number is four thousand and eighty?

408



4008



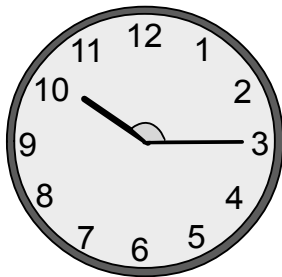
4080



4800



- 3** The hands of a clock make an angle.



At which time would the hands form a right angle?

6:00



9:15



3:00



6:20



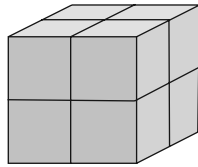
YEAR 5 NUMERACY

- 4** These solids are formed using small identical cubes.
How many more cubes are in Solid 2 than in Solid 1?

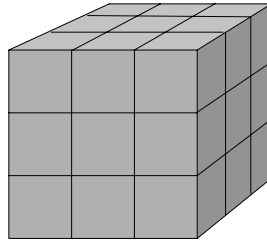
Shade one bubble.



Solid 1



Solid 2



8



19



23



27



- 5** The diagram shows a hundreds chart.

Kai placed four small discs in a counting pattern starting at 9.

1	2	3	4	5	6	7	8		10
11	12	13	14	15	16	17		19	20
21	22	23	24	25	26		28	29	30
31	32	33	34	35		37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Which number will Kai cover with his 10th disc?

90



91



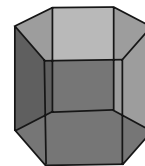
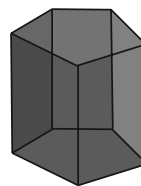
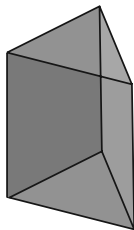
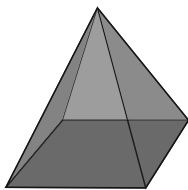
92



99



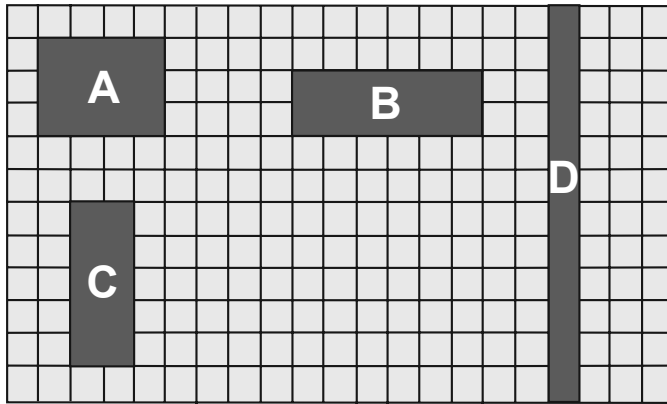
- 6** Which of the following solids is **not** a prism?



YEAR 5 NUMERACY

- 7 The grid shows squares which each have an area of one square unit. On the grid Reece has drawn four rectangles.

Shade one bubble.



Which rectangle has the **smallest** area?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| A | B | C | D |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

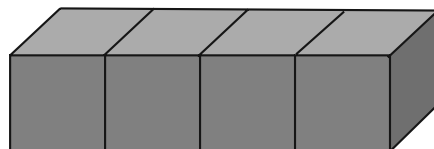
8

$$76 \div 4 = \square$$

What is the answer to the question?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 16 | 17 | 18 | 19 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

- 9 Halle glues four cubes together in a line.



When she looks at the line of cubes from all views she counts 18 cube faces (squares). If Halle glued **six** cubes together, how many cube faces (squares) would she count?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 26 | 32 | 36 | 48 |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

YEAR 5 NUMERACY

10 Some year 5 students were surveyed about their favourite drinks.

Shade one bubble.



Drink	Males	Females
Milk	4	3
Water	3	7
Soft drink	8	5
Juice	6	4

How many students were surveyed?

- 19 21 30 40
-

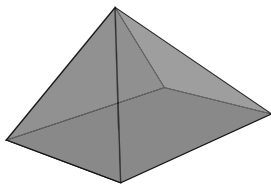
11 Amber's pattern has five numbers.

738, 728, _____, 708, _____

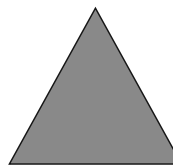
Which two numbers are missing from her pattern?

- 720 and 700 710 and 690 718 and 698 718 and 608
-

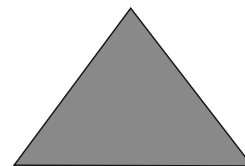
12 Laurie made this solid.



He drew its front and side views.

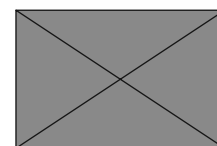
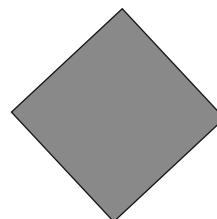
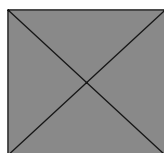
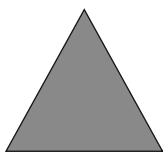


Front view



Side View

Which is the top view of the solid?



YEAR 5 NUMERACY

13 This is the menu at Sarah's school canteen.

Shade one bubble.



Canteen		
	Sandwiches	
	Tomato	\$1.10
	Cheese	\$1.40
	Salad	\$1.80
	Fruit	
	Apple	\$0.70
	Banana	\$0.70
	Drinks	
	Juice	\$1.20
	Water	\$1.10
Milk	\$1.30	

Sarah buys a tomato sandwich, an apple and a juice.

How much will the items cost altogether?

- Exactly \$2.00
- Exactly \$3.00
- More than \$2.00, but less than \$3.00
- More than \$3.00

14 This is Cooper's growth chart.

Age (years)	8	9	10	11	12	13	14	15	16
Height (cm)	118	125	131	137	144	147	154	166	171

Between which two ages did Cooper grow the fastest?

11 and 12

12 and 13

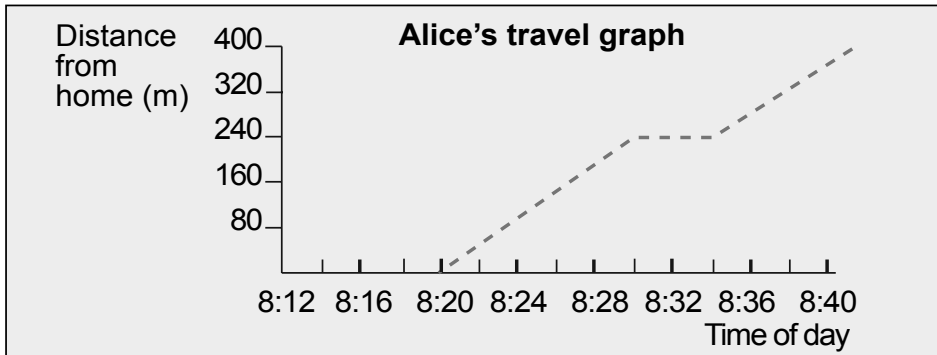
13 and 14

14 and 15

YEAR 5 NUMERACY

- 15** This graph shows Alice's journey to school. She left home at 8:20 am and later stopped at her friend's home. Alice then walked to school with her friend.

Shade one bubble.



How long did Alice stop at her friend's home?

1 minute

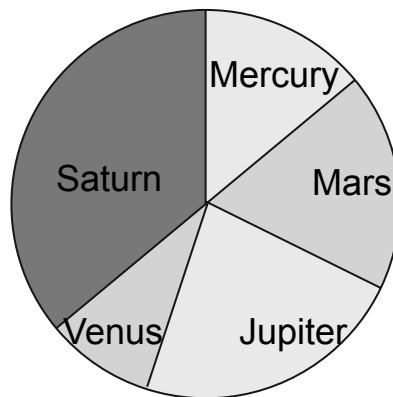
4 minutes

6 minutes

8 minutes

- 16** Students in Ms Peterson's year 5 class were asked to choose a planet for a project. The students could choose from these planets: Mercury, Venus, Mars, Jupiter and Saturn.

This graph shows the number of students who chose each planet.



What percentage of students chose Mercury and Saturn?

25%

40%

50%

80%

YEAR 5 NUMERACY

17 Mira ran in the 200-m race at her school's sports carnival.

In the race, the first four places were timed.

The picture shows the stopwatches from the four timekeepers.

00:29:56

00:27:21

00:28:52

00:26:06

Mira came first and was timed at 26.06 seconds.

What is the difference between second- and third-place times?

1.04 seconds

1.31 seconds

2.46 seconds

3.50 seconds



Shade one bubble.

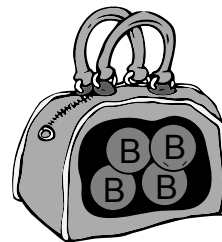
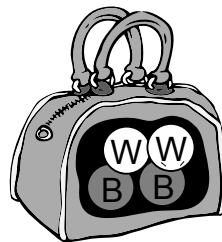
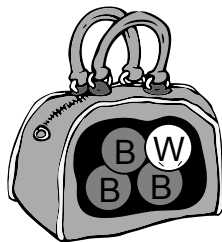
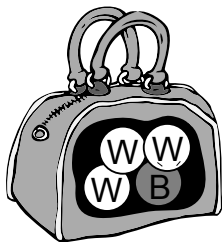


18 Jon has five blue (B) balls and five white (W) balls.

He places four of the balls in a bag.

When a ball is chosen from the bag it is more likely that it is a white ball than a blue ball.

Which of the following could be in Jon's bag?



YEAR 5 NUMERACY

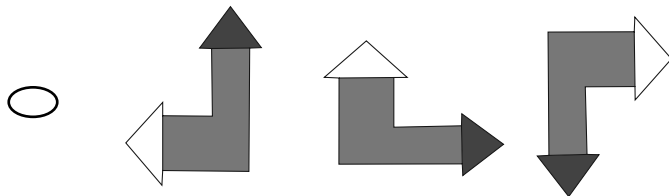
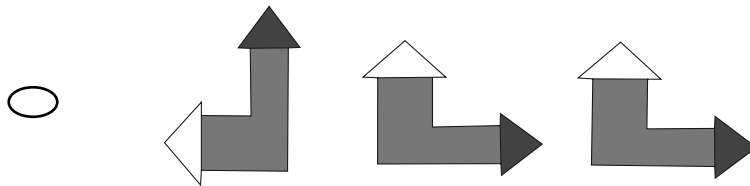
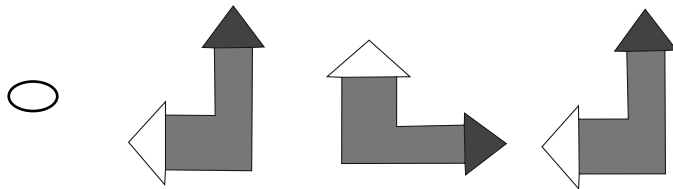
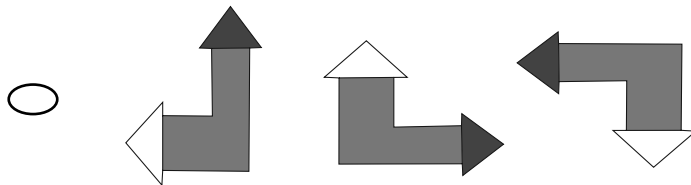
- 19** This arrow is rotated a quarter-turn in a clockwise direction and then a half-turn in a clockwise direction.

Shade one bubble.



Which diagram is correct?

Original First rotation Second rotation



- 20** Given that $84 = 1344 \div 16$, which one of the following is true?

- $1344 = 16 \div 84$
 $1344 = 84 \times 16$
 $84 = 1344 \times 16$
 $16 = 84 \div 1384$

YEAR 5 NUMERACY

- 21** A family of four went to a restaurant for a meal.
The menu listed the meals available.

Shade one bubble.



Menu

Chicken schnitzel.....	\$18.20
Lasagna.....	\$12.30
Fisherman's basket.....	\$27.95
Pepper steak.....	\$21.90

Each of the four people chose a different meal.

Which of the following is the best estimate for the total cost of the meal?

- \$20 + \$10 + \$20 + \$20
- \$10 + \$10 + \$20 + \$20
- \$20 + \$10 + \$30 + \$20
- \$20 + \$20 + \$30 + \$30

- 22** Which of the following letters does **not** have an axis of symmetry?

D



M



P



T



- 23** Goran wrote down four decimals.



Which of the decimals is the smallest?

4.123



4.132



4.32



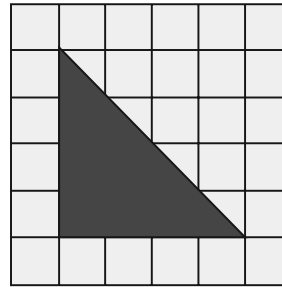
4.2



YEAR 5 NUMERACY

24 The grid shows squares which each have an area of one square unit.

Akira drew a triangle on the grid and shaded it.



Shade one bubble.



What is the area of Akira's triangle?

6 square units

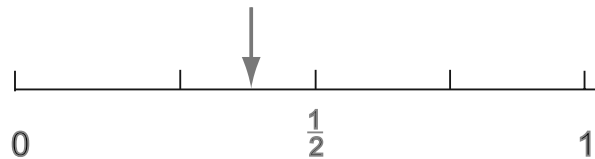
7 square units

8 square units

16 square units

25 A number line is drawn from 0 to 1.

Sachio uses an arrow to point to a fraction.



What is the fraction that Sachio is pointing to?

$\frac{1}{8}$

$\frac{2}{8}$

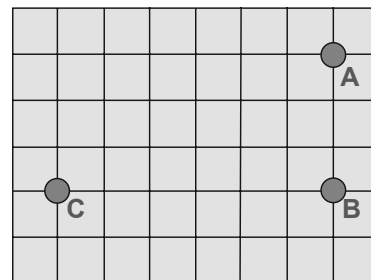
$\frac{3}{8}$

$\frac{4}{8}$

26 A map is drawn to locate three towns named A, B and C.

The map uses a scale of **1 unit = 5 km**.

Ethan plans to drive from A to B and then to C.



How far will Ethan travel in the journey?

9 km

30 km

40 km

45 km

YEAR 5 NUMERACY

27 Elias completed this number sentence.

$$7.432 \times \boxed{} = 743.2$$

What is the missing number?

Write your answer in the box.



28 A family is planning to hold a barbecue in June and all members of the family will attend.

Shade one bubble.



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				

- John can only attend on the weekend.
- Nick and Helen arrive home from Europe on the 11 June.
- Brianna is in Adelaide from the 24 June to 2 July.
- Dad plays golf every Sunday.
- Laura has a netball gala day on 13 June.

When can the family barbecue be held?

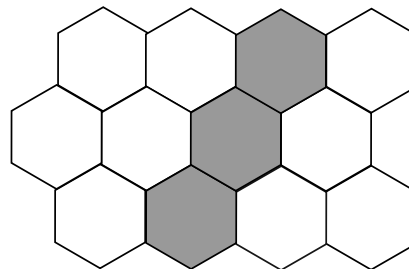
20 June

27 June

14 June

6 June

29 A shape is made from 12 hexagons.



What percentage is shaded?

15%

25%

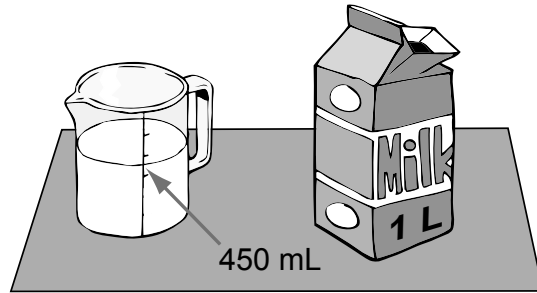
35%

55%

YEAR 5 NUMERACY

- 30** Sienna buys a 1-L carton of milk from the supermarket. When she opens the carton, she pours some of the milk into a measuring jug.

Write your answer in the box.



How much milk remains in the carton?

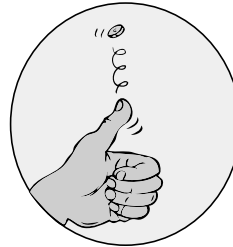
mL

- 31** Liam tossed a \$2-coin 49 times and the results are shown in the table.

Shade one bubble.



Outcome	Number
Heads	23
Tails	26



Liam now tosses the coin for the 50th time.

What is the chance that it will land as a head?

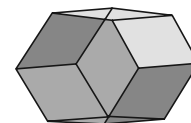
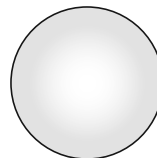
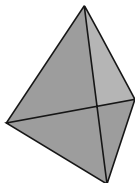
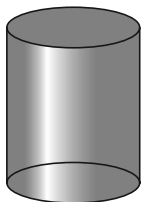
2 in 49

23 in 49

24 in 49

1 in 2

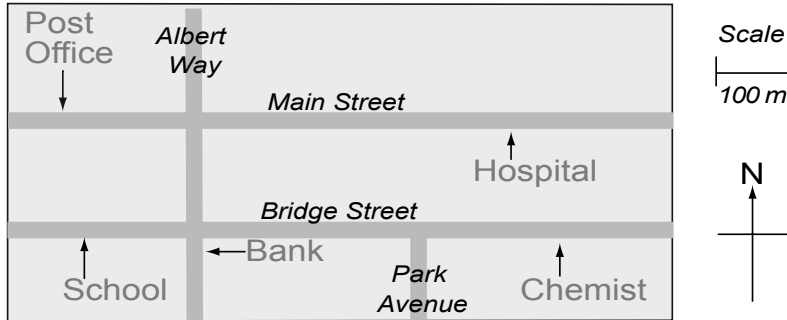
- 32** Which of the following is a pyramid?



YEAR 5 NUMERACY

- 33** Shahad walked from the post office to the bank.
She walked along Main Street and turned into Albert Way.

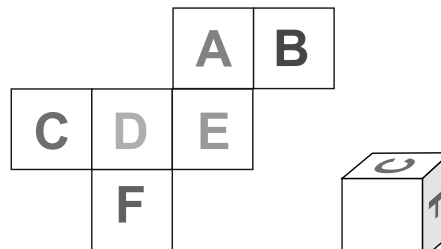
Shade one bubble.



Approximately how far did Shahad walk?

- 400 m 800 m 4 km 8 km
-

- 34** Anne forms a cube using this net.



Net of the cube Cube

When she places the cube on her desk, the letter C is on the top face and the letter F on the face on the right.

Which letter is missing from the front of the cube?

- A B D E
-

- 35** What is the missing digit that will make this addition correct?

$$\begin{array}{r}
 4 \quad \square \quad 3 \\
 + 3 \quad 6 \quad 8 \\
 \hline
 8 \quad 2 \quad 1
 \end{array}$$

Write your answer in the box.



YEAR 5 NUMERACY

- 36** The graph is used to record the way 400 students travelled to school today.

Shade one bubble.



Travelling to school

Bus	Car	Bike	Walk
-----	-----	------	------

About how many students walked to school?

- 50 100 200 350
-

- 37** What is the difference between the answers to these two multiplications?

$$35 \times 71 \text{ and } 35 \times 72$$

- 35 36 71 72
-

- 38** When driving on the highway Ella passes a sign.

Outback Highway (km)	
Sawyer's Gully	11
Cliffleigh	43
Jackson	110
Cambridge Park	140
Breakfast Springs	218

Her brother Oliver is driving ahead of her on the same highway.

Oliver rings Ella to tell her that he has a flat tyre and that he is halfway between Jackson and Cambridge Park.

About how far is Oliver ahead of Ella?

- 15 km 30 km 125 km 109 km
-

YEAR 5 NUMERACY

- 39** Hugo correctly added 1.43 to 12.4.

What answer did he get?

Write your answer
in the box.



- 40** Connor writes this number pattern.

3, 4, 6, 10, 18, 34, _____, 130, 258

He has missed one of the numbers.

What number has Connor missed?

64

65

66

68

Shade one
bubble.



END OF TEST

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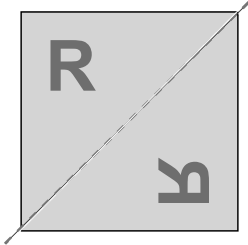
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Excel Test Zone

Year 5 NAPLAN-style Sample Test 3

NUMERACY

1.



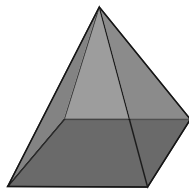
2. 4080

3. 3:00

4. 19

5. 90

6.



7. C

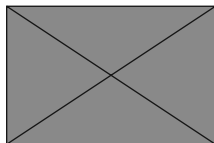
8. 19

9. 26

10. 40

11. 718 and 698

12.



13. Exactly \$3.00

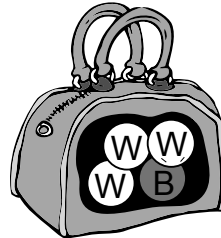
14. 14 and 15

15. 4 minutes

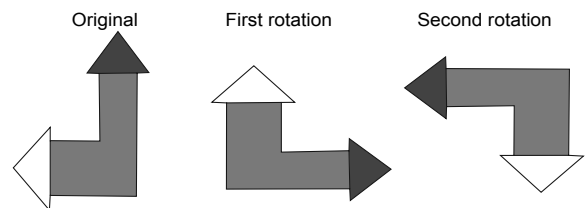
16. 50%

17. 1.31 seconds

18.



19.



20. $1344 = 84 \times 16$

21. $\$20 + \$10 + \$30 + \20

22.

P

23. 4.123

24. 8 square units

25. $\frac{3}{8}$

26. 45 km

27. 100

28. 20 June

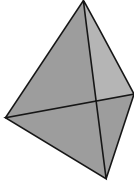
29. 25%

30. 550

31. 1 in 2

YEAR 5 NUMERACY

32.



33. 400 m

34. B

35. 5

36. 200

37. 35

38. 125 km

39. 13.83

40. 66