

Excel Test Zone

Get the Results You Want!

NAPLAN*-style

YEAR

5

SAMPLE TEST

NUMERACY

FIRST NAME _____

LAST NAME _____

CLASS _____

0:50

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

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



* This is not an officially endorsed publication of the NAPLAN program and is produced by Pascal Press independently of Australian governments.

YEAR 5 NUMERACY

1 What is the numeral for $6000 + 80 + 7$?

6087

6870

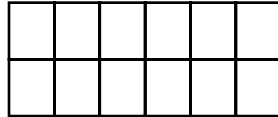
60 807

6807

Fill in
one
circle.



2 Colour or shade $\frac{3}{4}$ of the figure below.



3 How many of these numbers can be rounded off to 48 000?

47 550

48 550

47 123

47 600

48 499

47 750

48 123

48 250

47 500

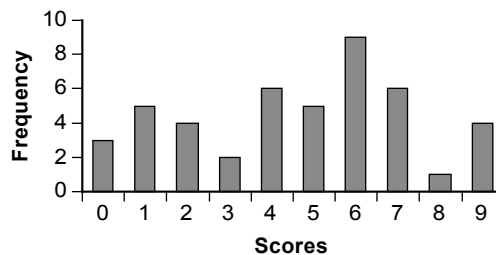
6

7

8

9

4 Here are some scores on a test.



Which was the most frequent score?

Write your answer
in the box.



YEAR 5 NUMERACY

5 Which number is next in this series?

100 97 94 91 ?

- 90
- 87
- 89
- 86
- 88
- 85

Fill in
one
circle.



6 Add the following amounts together.

$$\begin{array}{r} \$16.75 \\ + \$15.25 \\ \hline \end{array}$$

\$

Write your answer
in the box.



7 What is the numeral for $600\,000 + 2\,000 + 300 + 9$?

620309

602309

6200309

6002309

8 I toss a coin that shows heads or tails when it lands.

Which of these events is certain?

- If I toss a coin once it will land tails.
- If I toss a coin once it will land heads.
- If I toss a coin once it will land heads or tails.
- If I toss a coin once it will land heads and tails.



YEAR 5 NUMERACY

9 What is the mixed number form of $\frac{9}{2}$?

- 2
- 4
- $4\frac{1}{4}$
- $4\frac{1}{2}$
- $4\frac{3}{4}$
- 41

Fill in
one
circle.



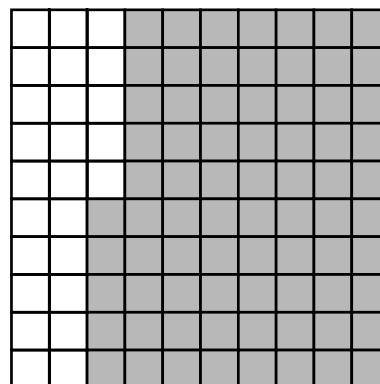
10 Which of these expressions is true?

24634 > 43579 46379 = 97364 89637 < 94362 39369 ≠ 39369



11 What percentage of this figure is coloured?

- 25%
- 35%
- 45%
- 55%
- 65%
- 75%
- 85%



12 Here is a pattern of symbols.



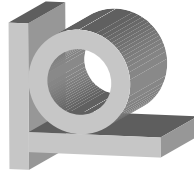
Which pattern comes next in the series?

- ◆◆◆◆◆◆◆
- ☆☆☆☆☆☆☆
- ▲▲▲▲▲▲▲
- ⊕⊕⊕⊕⊕⊕⊕⊕

YEAR 5 NUMERACY

13 Here is a shape made up of some blocks.

Fill in
one
circle.



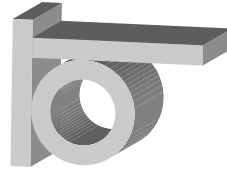
Which one of the four shapes below is the same as the one above? Is it A, B, C or D?



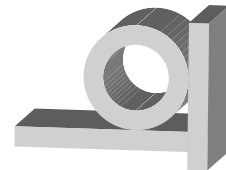
A



B



C



D

14 A girl has \$25.80 and spends \$12.95. How much does she have left?

\$13.85

\$11.85

\$12.15

\$12.85

15 A boy cuts a rope that is 9.95 m long into 1.99 m lengths. How many equal lengths does he cut?



3

4

5

6

YEAR 5 NUMERACY

- 16 Here are seven numbers.

429

143

502

99

103

282

2000

Fill in
one
circle.



Which two numbers should be added together to give an answer that can be rounded to 240?

99 and 103

202 and 143

143 and 99

120 and 143

- 17 Complete this calculation.

$$28 - 6 \times 3 =$$

Write your answer
in the box.



- 18 A house uses 1.5 kilolitres of water per day (1000 litres = 1 kilolitre). Last year it used 1200 litres per day.

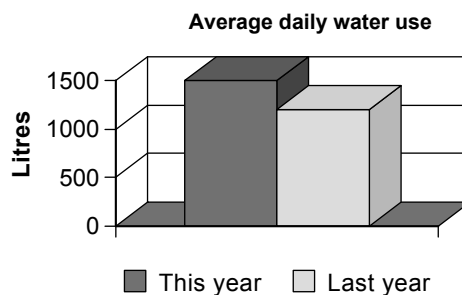
By how much has their water use increased per day?

1500 litres

1200 litres

500 litres

300 litres



- 19 A die can land on a 1, 2, 3, 4, 5 or 6.

What is the chance it will be an even number?

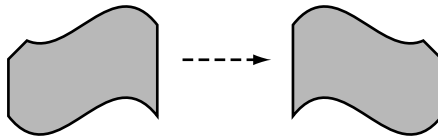
- 1 out of 6 chances
 3 out of 6 chances
 1 out of 3 chances
 3 out of 3 chances



YEAR 5 NUMERACY

20 A shape can be made to flip, slide or turn.

Has a flip, slide or a turn (rotate) been done to this coloured shape?



Flip



Slide

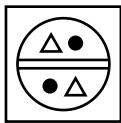
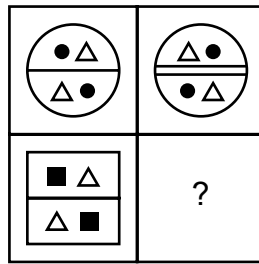


Turn

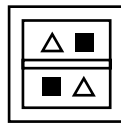


21 Look at this drawing. There is a pattern but one part is missing. This is shown with a question mark (?).

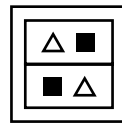
Pick which piece (A, B, C or D) will complete the pattern.



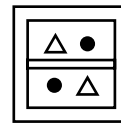
A



B



C

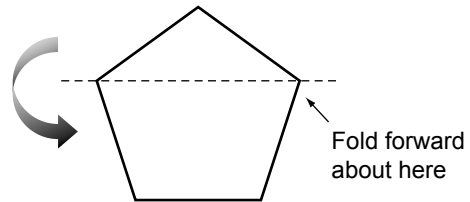


D



22 I folded this pattern in half.

Which shape could I see?



A



B



C

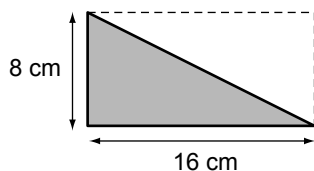


D



YEAR 5 NUMERACY

23 Find the area of the shaded part of this figure.



Not to scale

Fill in
one
circle.



48 cm²



64 cm²



128 cm²



256 cm²



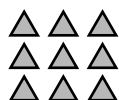
24 Here is a chart with some symbols.

Which symbol is closest to B3?

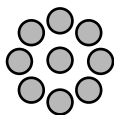
-
-
-
-

A				
B				
C				
D				
	1	2	3	4

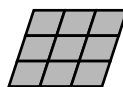
25 Which of the pictures shows a tessellation?



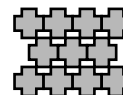
A



B



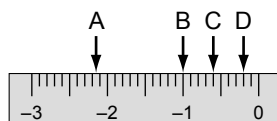
C



D



26 Which of the numbers below is closest to -0.08 ?



A



B



C



D

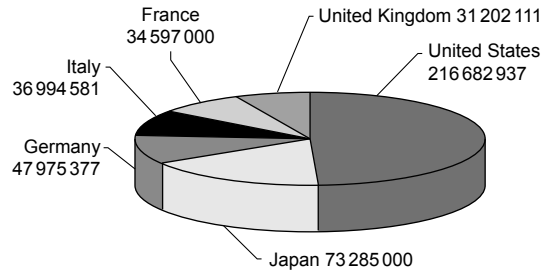


YEAR 5 NUMERACY

27

This pie chart shows the six top vehicle-owning countries in the world. They make up almost four-fifths of all vehicles in the world.

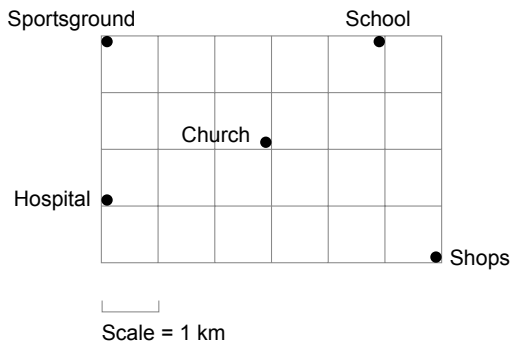
Fill in one circle.



Which is the third-largest vehicle-owning country?

- France
- Germany
- Italy
- Japan
- United Kingdom
- United States

28



The lines indicate streets and you must walk along these streets.

What is the shortest distance from the shops to the school and then to the sportsground?

km

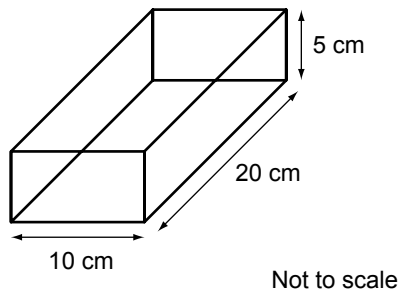
Write your answer in the box.

YEAR 5 NUMERACY

29 This is a rectangular prism.

What is the volume of this figure?

- 1000 cm
- 1000 cm²
- 1000 cm³
- 2000 cm
- 2000 cm²
- 2000 cm³
- 2500 cm
- 2500 cm²
- 2500 cm³



Fill in
one
circle.



30 Australia is a large country and it has three different time zones (in winter). These are Eastern Standard Time, Central Standard Time and Western Standard Time. The time is different across these three areas.

Central Standard Time is half an hour behind Eastern Standard Time.

Western Standard Time is two hours behind Eastern Standard Time.

For instance, when it is 12 noon in Sydney (Eastern Standard Time), it is 11.30 am Central Standard Time and 10 am Western Standard Time.

If it is 2 pm in Sydney (Eastern Standard Time), what time will it be in Perth (Western Standard Time)?

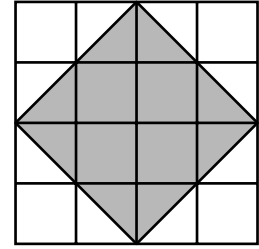
- 1.30 pm
- 1.00 pm
- 12.30 pm
- 12 noon
- 11.30 am
- 11.00 am



YEAR 5 NUMERACY

31 Here is a shape. It contains squares. Some of the squares are all white while some are half coloured and half white.

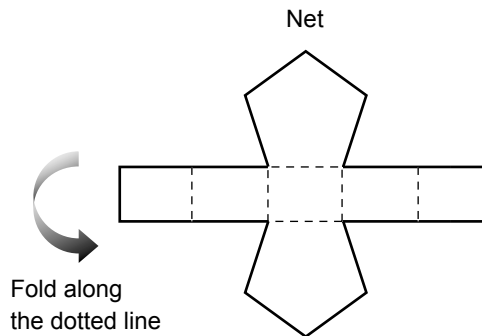
What fraction of the figure is half coloured and half white?



- $\frac{1}{2}$
- $\frac{1}{3}$
- $\frac{1}{4}$
- $\frac{2}{3}$
- $\frac{3}{4}$

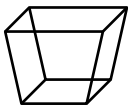
32 This net is folded to make a solid shape.

Fill in one circle.

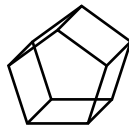


Which solid shape matches the net above?

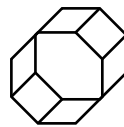
Solid shapes



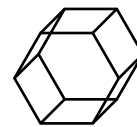
A



B



C



D



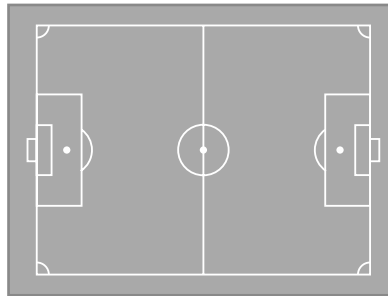
YEAR 5 NUMERACY



33 Form four-digit numbers using the numerals 5, 6, 7 and 8. A digit cannot be used more than once in each number. How many are less than 6875?

- 9
- 10
- 11
- 12
- 13

34 A hectare is 10000 square metres. The combined area of the three soccer fields at my school are 1.35 hectares. They are all the same size.



If the width of a soccer field at my school is 45 metres, what is its length?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 80 metres | 90 metres | 100 metres | 110 metres |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

35 What would be the next number in the series 10000, 8750, 7500 ...?

- 5500
- 5750
- 6000
- 6250
- 6500
- 6750

YEAR 5 NUMERACY

36 You toss three 50 cent coins at once. What are the chances of throwing three tails?

- 1 in 3
- 3 in 6
- 1 in 4
- 1 in 2
- 1 in 8




Fill in
one
circle.



37 In order to relieve famine in a country, 60000 tonnes of food was sent. If 15% of the food was spoilt or damaged, how much food can be used for famine relief?

- 41000 tonnes
- 45000 tonnes
- 47000 tonnes
- 49000 tonnes
- 51000 tonnes
- 53000 tonnes
- 55000 tonnes

38 Here is a water bill for a household. The amount for water usage is not shown.

<i>Nerana</i>	ACCOUNT FOR RESIDENCE	
WATER	Water service	\$ 19.00
	Sewerage service	\$ 120.00
	Stormwater drainage	\$ 11.00
	Water use 113 kilolitres	?
	Total amount due	\$ 334.00

How much is the water use cost?

\$

Write your answer
in the box.



YEAR 5 NUMERACY

39 If $\frac{3}{4}$ of a number is 960, what is the number?

- 2880
- 1280
- 3750
- 2160
- 3840
- 750

Fill in
one
circle.



40 Here are some descriptions.

These chances are numbered from 0 to 1.

- 1 certain
- 0.75 quite likely
- 0.5 an even chance
- 0.25 unlikely to happen
- 0 impossible

There are some sentences below. Put a 1 next to the sentence if something is certain; put 0.75 if something is quite likely to happen; put 0.5 next to a sentence if it is an even chance; put 0.25 next to a sentence if it is unlikely to happen; and put a 0 if something is impossible to happen.

Write your answers in these spaces.
Write only the numbers 0, 0.25, 0.5, 0.75 or 1





END OF TEST

Excel Test Zone

Year 5 NAPLAN*-style Sample Test

NUMERACY ANSWERS

1. 6087
2. 
3. 7
4. 6
5. 88
6. \$32
7. 602309
8. If I toss a coin once it will land heads or tails.
9. $4\frac{1}{2}$
10. $89637 < 94362$
11. 75%
12. ☆☆☆☆☆☆
13. A
14. \$12.85
15. 5
16. 143 and 99
17. 10
18. 300 litres
19. 3 out of 6 chances
20. Flip
21. B
22. A
23. 64 cm^2
24. 
25. C
26. D
27. Germany
28. 10 km
29. 1000 cm^3
30. 12 noon
31. $\frac{1}{2}$
32. B
33. 11
34. 100 metres
35. 6250
36. 1 in 8
37. 51 000 tonnes
38. \$184
39. 1280
40. Here is the most likely list from the choices given:

Chances	Sentences
0	The earth is flat.
1	Everyone you know was born on a day of the week ending in '-day'.
0.5	A randomly chosen person is male.
0.75	There will be bushfires in the summer in Australia.
0.25	The next person you meet will have been born in autumn.