NAPLAN*-style

YEAR 6

SAMPLE TEST

NUMERACY
Non-calculator

FIRST NAME _____

LAST NAME _____

CLASS _____

SESSION 2

0:40 Time available for students to complete the Numeracy Test: 40 minutes

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

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YEAR 6 NUMERACY

1 What is 4082 written in words?

○ four thousand and eighty-two

○ forty thousand and eighty-two

○ four hundred and eighty-two

○ four hundred and eight point two

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2 $15.63 \div 10 =$

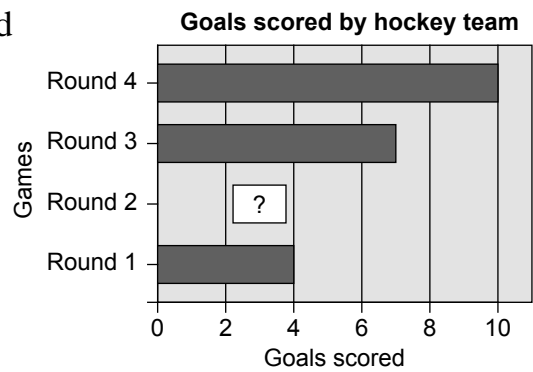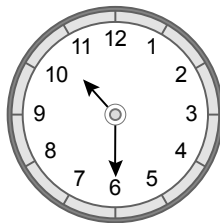| 156.3	1.5063	1.0563	1.563
○	○	○	○

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3 The graph shows the number of goals scored by a hockey team in four games.

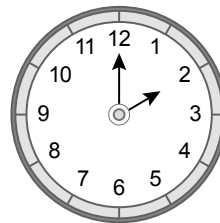If the total number of goals scored was 24, how many goals were scored by the team in Round 2?

Goals scored by hockey team

Write your answer in the box.

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4 The clocks show the times in Bangkok and Adelaide.

Bangkok   Adelaide

At 5:00 in Adelaide, what is the time in Bangkok?

1:00	1:30	3:00	2:30
○	○	○	○

5 7×24 is the same as $21 \times \boxed{?}$

What is the missing number?

Write your answer in the box.

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6 How much time is between 3 am and 5 pm on the same day?

hours

Write your answer in the box.

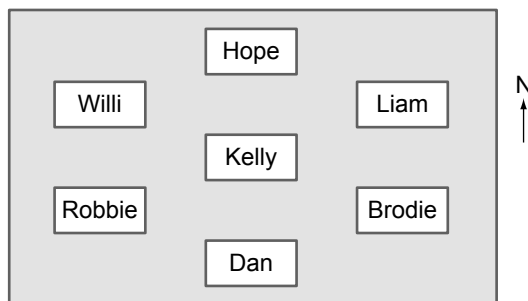**7** What is the missing number from the number sentence?

$$\boxed{} \times 4 = 120$$

Write your answer in the box.

---

8 The map shows the location of classmates in the school playground.

Fill in one circle.

	Hope	
Willi		Liam
	Kelly	
Robbie		Brodie
	Dan	

N ↑

Who is South of Kelly and West of Hope?

Willi   Robbie   Dan   Brodie
  ○   ○   ○   ○

---

9 A bag contains 4 red balls, 3 green balls and 2 white balls.

Quentin chooses a ball from the bag without looking.

What is the chance that he chooses a white ball?

$\frac{1}{3}$ $\frac{2}{3}$ $\frac{1}{9}$ $\frac{2}{9}$
  ○   ○   ○   ○

Excel Test Zone Year 6 Sample Test

10 Shelby swims in a pool for three to four hours a day for five days a week. About how many hours does she swim in the pool each week?

Fill in one circle.

- ○ between 3 and 4 hours
- ○ between 15 and 20 hours
- ○ between 21 and 28 hours
- ○ more than 30 hours

11 Alba opened a packet of jelly beans and used the table to record the number of each colour. Some of the numbers are missing.

Colour	red	yellow	green	white	black	orange	pink
Number	?	4	3	?	5	3	?

There are twice as many red jelly beans as there are orange jelly beans.

There is the same number of yellow jelly beans as there are white jelly beans.

If there is a total of 30 jelly beans in the packet, how many are pink?

2	3	4	5
○	○	○	○

12 A plate contains 12 biscuits.

Eight of the biscuits are chocolate.

What fraction of the biscuits is chocolate?

$\dfrac{12}{8}$	$\dfrac{4}{8}$	$\dfrac{8}{20}$	$\dfrac{2}{3}$
○	○	○	○

13 Students were surveyed to find the number of computers and televisions in their homes.

Computers and televisions			
	2 computers or less	3 computers	4 computers or more
2 televisions or less	4	3	1
3 computers	7	3	1
4 televisions or more	1	1	0

How many students, in total, had less than 4 computers in their homes?

[   ] students

Write your answer in the box.

14 The height of a fence is 1800 mm.

What is the height in metres?

[   ] metres

Write your answer in the box.

15 According to the Australian Bureau of Statistics' website, the population at 10:15 am on 1 October 2010 was projected to be 22 474 475.

What is the projected population written to the nearest thousand?

[   ]

Write your answer in the box.

16 Sarah drew the net of a pentagonal prism.
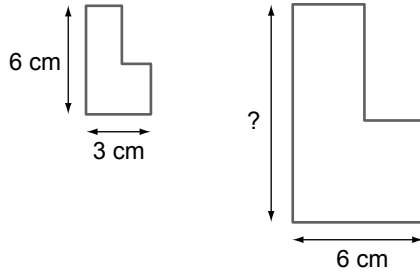
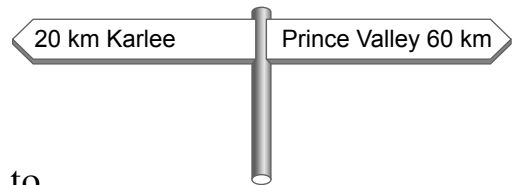How many rectangles did she draw?

3	4	5	6
○	○	○	○

17 The shape on the left has been enlarged to form the one on the right.

Fill in one circle.

6 cm

3 cm

?

6 cm

What is the missing height?

8 cm	9 cm	10 cm	12 cm
○	○	○	○

18 Jannah is driving from Karlee to Prince Valley.

She passes this sign.

20 km Karlee   Prince Valley 60 km

What fraction of the trip has she still to drive to reach Prince Valley?

one-third	two-thirds	one-quarter	three-quarters
○	○	○	○

19 $\blacktriangle + 5 = 8$, and $\bullet + 2 = 6$

What does $\blacktriangle + \bullet$ equal?

7	8	10	14
○	○	○	○

20 A newborn baby has a mass of 3.05 kg.

What is this mass in grams?

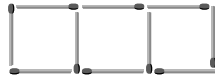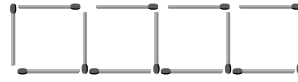| 305 grams	3005 grams	3050 grams	3500 grams
○	○	○	○

21 Heidi makes a pattern of squares using matchsticks.
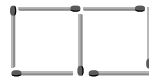
1 square   2 squares

3 squares   4 squares

She then writes the numbers of squares and matches in a table.

Squares	1	2	3	4
Matches	4	7	10	13

Heidi continues the pattern.

How many squares can Heidi make using 22 matches?

5	6	7	8
◯	◯	◯	◯

Fill in one circle.

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22 The shape is made of identical triangles.

Four of the triangles are shaded.

The total area shaded is 8 cm^2.
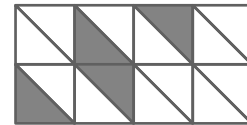
What is the area of the **whole shape**?

12 cm^2	16 cm^2	24 cm^2	32 cm^2
◯	◯	◯	◯

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23 Every face on the cube is to be painted.

3 m

What is the total area to be painted?
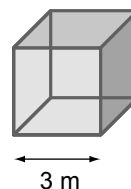
[   ] m^2

Write your answer in the box.

24 A bag contains red and blue balls.

For every 2 red balls there are 3 blue balls.

There are 36 red balls in the bag.

How many blue balls are in the bag?

39	45	54	180
○	○	○	○

Fill in one circle.

25 Leroy wrote the numbers from 1 to 20 on cards.

He turned over the multiples of 2, then the multiples of 3 and then the multiples of 5.

How many cards were not turned over?

3	4	6	10
○	○	○	○

26 $2 \times \boxed{?} < 24 \div 3$

Which of these numbers cannot be the missing number?

1	2	3	4
○	○	○	○

27 Sari spins the arrow on the spinner six times.
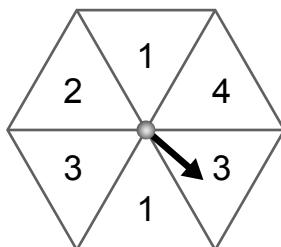
How many times is she likely to spin a 2?

1	2	3	6
○	○	○	○

28 Thana filmed $\frac{3}{4}$ of an hour of video footage.

He removed 20 minutes of footage during editing.

What was the length of his video after he had finished editing?

10 minutes	15 minutes	20 minutes	25 minutes
○	○	○	○

29 Aaron made a cube out of butter.

His cube measured 3 cm along each edge.

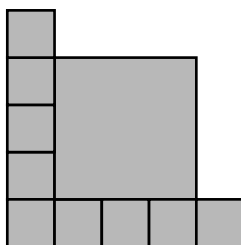He then cut his cube into 1 cm cubes.

How many 1 cm cubes were there?

3	6	9	27
○	○	○	○

30 A shape is made of small squares and a large square.

The area of each small square is 5 cm².

What is the total area of the whole shape?

50 cm²	60 cm²	75 cm²	90 cm²
○	○	○	○

END OF TEST

Non-calculator

1. four thousand and eighty-two
2. 1.563
3. 3
4. 1:30
5. 8
6. 14
7. 30
8. Robbie
9. $\dfrac{2}{9}$
10. between 15 and 20 hours
11. 5
12. $\dfrac{2}{3}$
13. 19
14. 1.8
15. 22 474 000
16. 5
17. 12 cm
18. three-quarters
19. 7
20. 3050 grams
21. 7
22. 32 cm^2
23. 54
24. 54
25. 6
26. 4
27. 1
28. 25 minutes
29. 27
30. 90 cm^2

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  by Pascal Press independently of Australian governments.