NAPLAN*-style

YEAR 6

SAMPLE TEST

NUMERACY
Calculator Allowed

FIRST NAME _____

LAST NAME _____

CLASS _____

SESSION 1

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

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

Calculator Allowed

1 A marathon started at 9:30 am.

The winner completed the race in 2 hours 12 minutes.

What time did the winner finish the race?

Fill in one circle.

11:12 am	11:42 am	12:12 pm	12:42 pm
○	○	○	○

2 $\dfrac{4 + 8}{2} = \boxed{?}$

What is the missing number?

3	6	8	10
○	○	○	○

3 Phil has $2.70 in coins.

What is the least number of coins he has?

1	2	3	4
○	○	○	○

4 Martin is driving from his home in Jackson to his sister's house in Melville.

He has travelled 32 km which is one-quarter of his trip.

How much further does he need to travel to Melville?

☐ km

Write your answer in the box.

5 Four farmers bought a total of 2632 sheep together.

The farmers share the sheep equally.

How many sheep will each farmer have?

452	468	658	678
○	○	○	○

6 At the school fete, the jumping castle costs $2.50, the merry-go-round costs $2.40 and the train ride costs $3.20.

Fill in one circle.

What is the total cost for 3 children to go on the merry-go-round?

$7.20	$7.50	$8.10	$9.60
○	○	○	○

7 Which of these has one square face and four triangular faces?

cube	pentagon	square prism	square pyramid
○	○	○	○

8 Klein wrote numbers on six cards and placed them on a table.

431	189	601

263	499	532

What is the difference between the largest and the smallest number?

242	101	412	385
○	○	○	○

9 What is the number 10 more than 10 million?

20 000	20 000 000	10 010 000	10 000 010
○	○	○	○

10 Tia wrote a number pattern using the rule:

starting with 3.6, decrease by 0.03.

What is her pattern?

○ 3.6, 2.6, 1.6, …

○ 3.6, 3.57, 3.54, …

○ 3.6, 3.3, 3, …

○ 3.6, 3.603, 3.60303, …

11 A pie and a bottle of water cost $5.

Two pies and a bottle of water cost $8.

What is the price of a bottle of water?

$ [ ]

Write your answer in the box.

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12 Which number sentence is used to find the average of 4, 2 and 9?

○ $4 + 2 + 9$

○ $(4 + 2 + 9) \div 3$

○ $4 + 2 + 9 \div 3$

○ $(4 \times 2 \times 9) \div 3$

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13 The numbers of different coloured jelly beans in a packet were counted and the results recorded in the table.

What percentage of jelly beans in the packet is red?

Colour	Number of jelly beans
red	5
yellow	4
green	3
blue	5
orange	3
Total	**20**

[ ] %

Write your answer in the box.

14

100°

? 40°
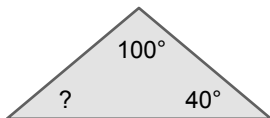
What is the value of the missing angle?

10°   40°   50°   60°

○   ○   ○   ○

15 At a school sports carnival there are 577 students.
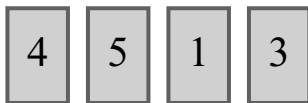
If 362 are boys, how many girls are at the carnival?

178	182	215	282
○	○	○	○

Fill in one circle.

---

16 James turns these cards over and mixes them up.

4	5	1	3

5	2	5	5

He chooses one of the cards without looking.

What is the chance of selecting a 5?

1 out of 5	1 out of 8	1 out of 4	1 out of 2
○	○	○	○

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17 The price of oil is $1.40 per litre.

What is the price of $1\frac{1}{2}$ litres of oil?

$2.00	$2.10	$2.80	$2.90
○	○	○	○

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18 In his herd of dairy cows, Terry has four times as many Friesian cows as Jersey cows.

Altogether he has 100 cows.

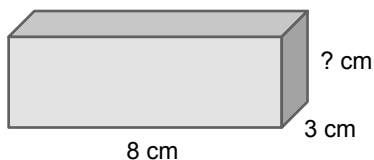How many Jersey cows are there in the herd?

400	20	60	80
○	○	○	○

19 The rectangular prism has a volume of 60 cm³.

Fill in one circle.

? cm

3 cm

8 cm

What is the height of the prism?

2 cm	2.5 cm	3 cm	6 cm
◯	◯	◯	◯

20 The grid shows the homes of Peter, Leonard, Terry and Kramer.

Leonard
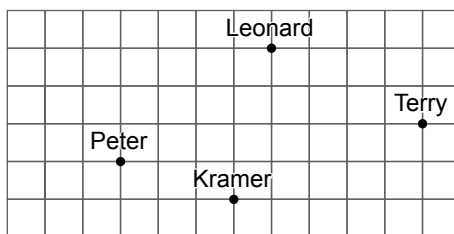
Terry

Peter

Kramer

Peter leaves his home and jogs 3 km north and then 4 km east to Leonard's home. This trip can be written as 3N, 4E.

If Terry left his home and walked to Kramer's home, which of these could be his trip?

2S, 5W	2S, 5E	2N, 5W	2N, 5E
◯	◯	◯	◯

21 A map is drawn to a scale of 1 cm equals 40 km.

If two towns are $2\frac{1}{2}$ cm apart on the map, what is the actual distance between them?

10 km	60 km	82 km	100 km
◯	◯	◯	◯

22 Which fraction is in the middle of one-quarter and one-half?

one-third	one-fifth	three-eighths	one-sixth
◯	◯	◯	◯

Calculator Allowed

23 If $\frac{2}{3}$ of a number is 24, what is the number?

Fill in one circle.

8	12	16	36
○	○	○	○

24 A large group of students were surveyed to find the number who had flown in an aeroplane. A third of the students had not flown.

	Boys	**Girls**
Flown in aeroplane	33	?
Not flown in aeroplane	28	12

How many girls had flown in an aeroplane?

Write your answer in the box.

25 A car travels at a speed of 60 km/h for a distance of 210 km.

If the car left at 11:00 am, what time did it arrive at its destination?

12:30 pm	2:00 pm	2:10 pm	2:30 pm
○	○	○	○

26 Mitchell was born on 6 October 1989.

His sister Laura was born on 6 October 1992.

Which equation shows how Laura's age relates to Mitchell's age?

○ Laura's age = Mitchell's age + 3

○ Laura's age = Mitchell's age − 3

○ Laura's age = Mitchell's age × 3

○ Laura's age = Mitchell's age ÷ 3

27 Lionel plants lettuce seedlings in his garden.

He knows that 25% of the seedlings will be eaten by snails in the first week.

If he wants to have 15 fully grown plants, how many seedlings must he plant?

Fill in one circle.

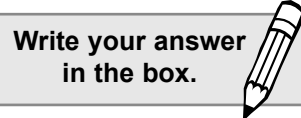| 16	19	20	24
○	○	○	○

28 On the swimming carnival day there were 476 students at school.

The students were transported to the pool on buses.

Each bus can hold 46 students.

How many buses were used?

[   ] buses

Write your answer in the box.

29 Klein shades $\frac{3}{5}$ of the rectangle.

What percentage of the rectangle is not shaded?

20%	25%	35%	40%
○	○	○	○

30 A container is filled with balls.

Half the balls are blue, $\frac{1}{5}$ are green and the remainder red.

What fraction of the balls in the container is red in colour?

$\frac{3}{10}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{3}{5}$
○	○	○	○

END OF TEST

Calculator Allowed

1. 11:42 am
2. 6
3. 3
4. 96
5. 658
6. $7.20
7. square pyramid
8. 412
9. 10 000 010
10. 3.6, 3.57, 3.54, …
11. 2
12. $(4 + 2 + 9) \div 3$
13. 25
14. 40°
15. 215
16. 1 out of 2
17. $2.10
18. 20
19. 2.5 cm
20. 2S, 5W
21. 100 km
22. three-eighths
23. 36
24. 47
25. 2:30 pm
26. Laura's age = Mitchell's age − 3
27. 20
28. 11
29. 40%
30. $\dfrac{3}{10}$

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