



Mathletics

# NAPLAN Year 7 Numeracy Test 3 (Non-Calculator)

# Year 7 Numeracy Practice Test 3 – Non-calculator

## Student details

First name \_\_\_\_\_

Last name \_\_\_\_\_

Class \_\_\_\_\_ Date \_\_\_\_\_

## Test instructions

You have 40 minutes to complete this test.

You are **NOT allowed** to use a calculator.

You should use a pencil to write your answers or shade in the bubble.

If you make a mistake, rub it out thoroughly.

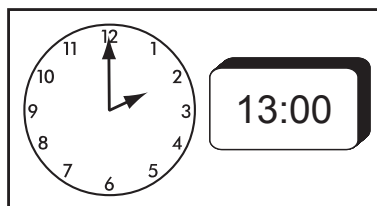
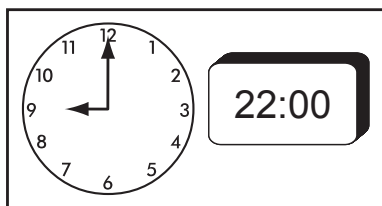
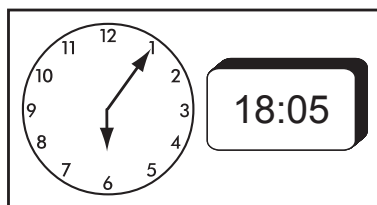
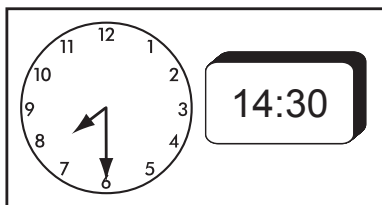
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1  $2^2 \times 3^3 =$

Shade one bubble.

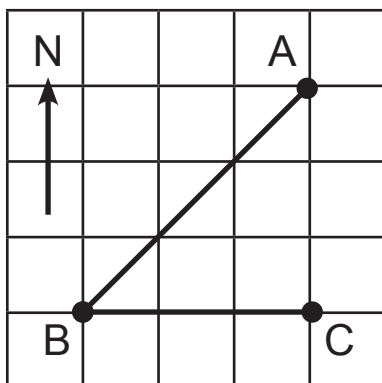
- 31
- 36
- 35
- 108

2 Which set of clocks are displaying the same time?



Shade one bubble.

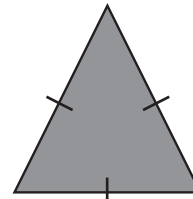
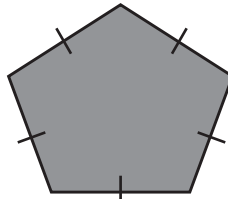
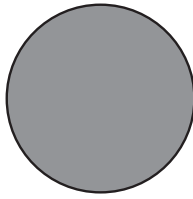
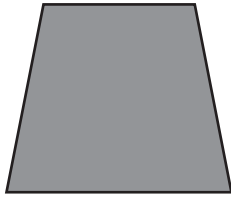
3 The map shows a path from A to B to C. The directions from A to C via B are:



Shade one bubble.

- NE then W
- SW then E
- NW then E
- SE then W

4 Which of these shapes has the fewest lines of symmetry?



Shade one bubble.

5 Mai bought 3 drinks at 75c each, 2 pies at \$1.25 each and 5 musk sticks at 25c each.

Which number sentence would calculate the total cost?

- $(3 \times 0.75) + (2 \times 1.25) + (5 \times 0.25)$
- $(3 \times 75) + (2 \times 12.5) + (5 \times 0.25)$
- $(3 \times 0.75) + (2 \times 12.5) + (5 \times 25)$
- $(3 \times 7.5) + (2 \times 12.5) + (5 \times 0.25)$

Shade one bubble.

6 175% is equal to:

Shade one bubble.

$1 \frac{1}{4}$



$1 \frac{2}{4}$



$1 \frac{1}{2}$



$1 \frac{3}{4}$



7 Which list is in ascending order?

Shade one bubble.



25%,  $\frac{1}{5}$ , 0.15

75%,  $\frac{7}{8}$ , 1.10

30%,  $\frac{7}{10}$ , 0.33

60%,  $\frac{4}{5}$ , 0.4

8 In a class of 36 students,  $\frac{5}{9}$  have a pet.

Shade one bubble.



How many students do not have a pet?

16

18

20

22

9  $40.1 \times 0.98$  is closest to:

Shade one bubble.



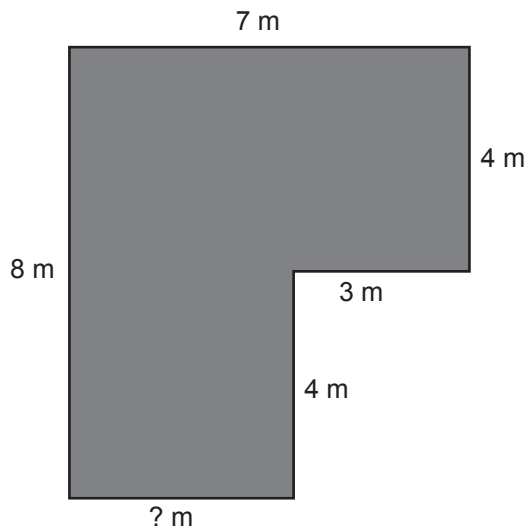
4

4000

0.004

40

10 What is the perimeter of this shape?



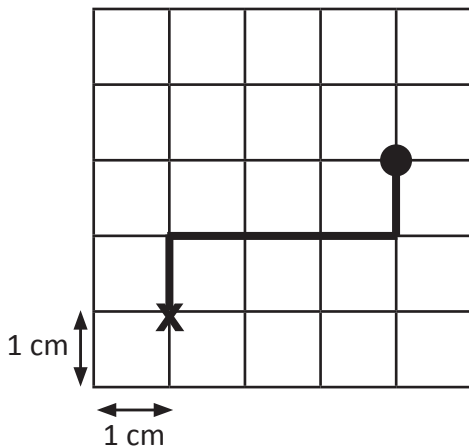
The perimeter of this shape is:



Write your answer in the box.



11 A student drew a path from the bus stop to their front door to show that the distance is 150 metres. What scale did the student use?

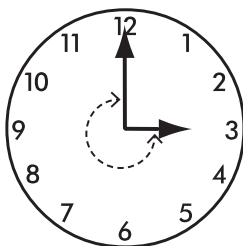


- 1 cm = 10 metres
- 1 cm = 5 metres
- 1 cm = 20 metres
- 1 cm = 30 metres

Shade one bubble.



12 What is the size of the marked angle?




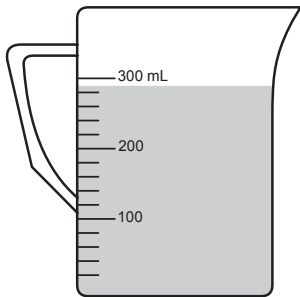
- 270°
- 180°
- 90°
- 45°

Shade one bubble.

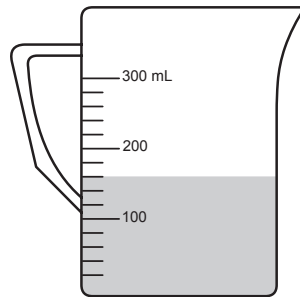


13 How much more juice is in Jug A?

Shade one bubble. 




Jug A



Jug B


- 100 mL
- 130 mL
- 160 mL
- 190 mL

14 A train is travelling at a constant speed of 250 km per hour.  
How long will it take the train to travel 150 km at this speed?

Shade one bubble. 

- 36 minutes
- 30 minutes
- 25 minutes
- 50 minutes

15  $3.86 \div 0.2 =$

Write your answer in the box. 

16 Movie sessions are shown below:

MOVIE SESSION	START	FINISH
Ghost Town	6:05 pm	7:56 pm
Brat Pack	6:15 pm	7:48 pm

How much longer is Ghost Town than Brat Pack?

minutes

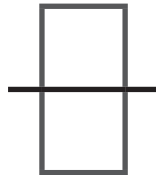
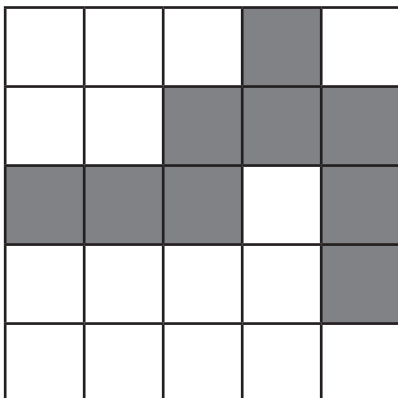
Write your answer in the box.



17 Here is a square with 9 smaller squares shaded inside.

The squares are identical in size.

What fraction is shaded?



Write one digit in each box.



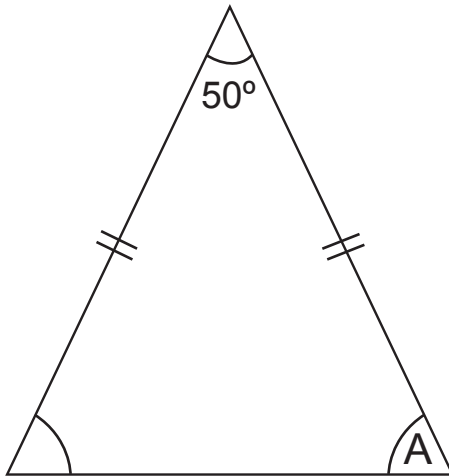
18 Which of these calculations gives the same value as  $112 + 25$ ?

- $110 + 12 + 25$
- $100 + 40 - 5$
- $110 + 30 + 5$
- $100 + 30 + 7$

Shade one bubble.



19 What is the size of angle A in this isosceles triangle?



Write your answer in the box.

 °

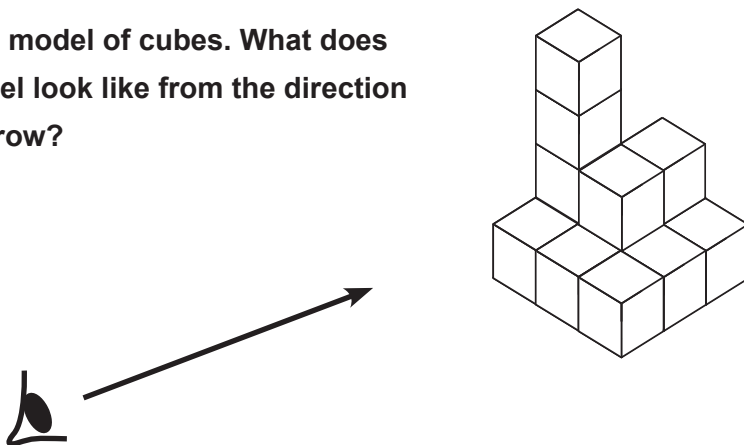
20 Maya starts with a number. She multiplies it by 9, subtracts 20 then adds 7. The answer is 95. What number did she start with?

Shade one bubble.

- 9                      20                      7                      12
- 

21 Here is a model of cubes. What does this model look like from the direction of the arrow?

Shade one bubble.



- 
- 
- 
-

22 This table shows the number of students who wear glasses and those who do not wear glasses in a Year 7 class.

Shade one bubble. 

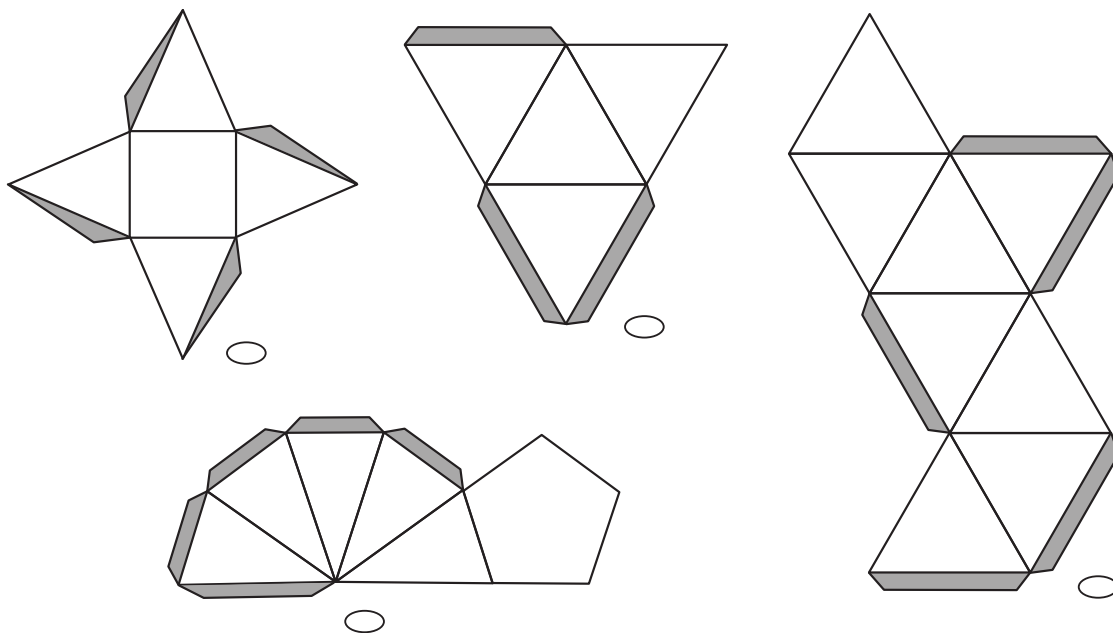
	Do wear glasses	Do not wear glasses
Male	3	12
Female	8	7

Out of the whole class, what percentage of males do not wear glasses?

- 60%      15%      35%      40%
- 

23 Which net can be used to make a square pyramid?

Shade one bubble. 



- 24 A bag of lollies contains 5 musk sticks, 5 chocolate drops, 15 minties and 25 fantaes.

What is the chance that when I choose a lolly without looking that it will be a chocolate drop?

Shade one bubble.



Certain

Impossible

Unlikely

Fifty-fifty

- 25  $14 \times 8 + 6 \times 8 =$

$(14 + 6) \times 8$

$14 \times (8 - 6)$

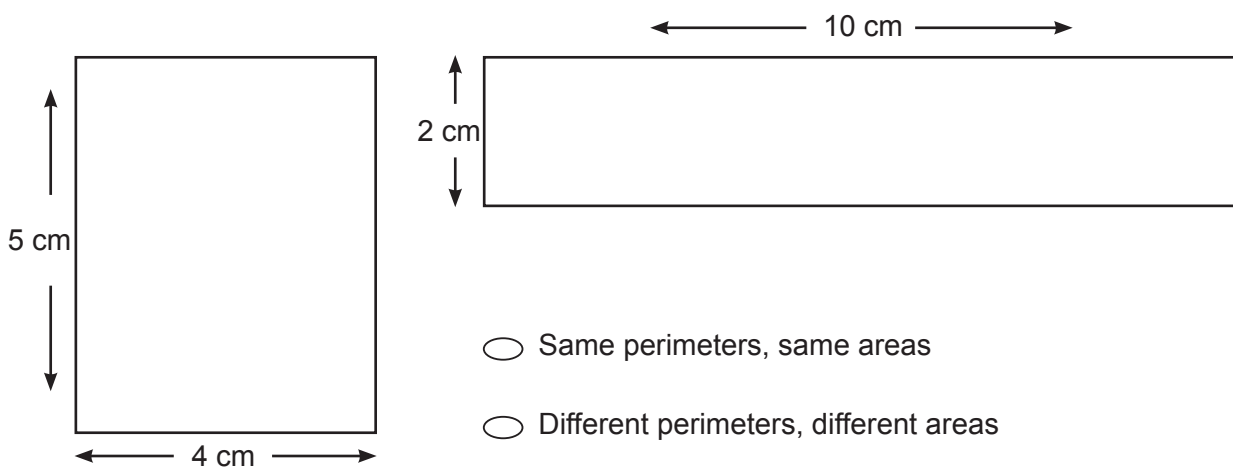
$(14 - 8) \times 6$

$(14 - 8) \times (8 - 6)$

Shade one bubble.



- 26 These two rectangles have:



- Same perimeters, same areas
- Different perimeters, different areas
- Same perimeters, different areas
- Different perimeters, same areas

Shade one bubble.



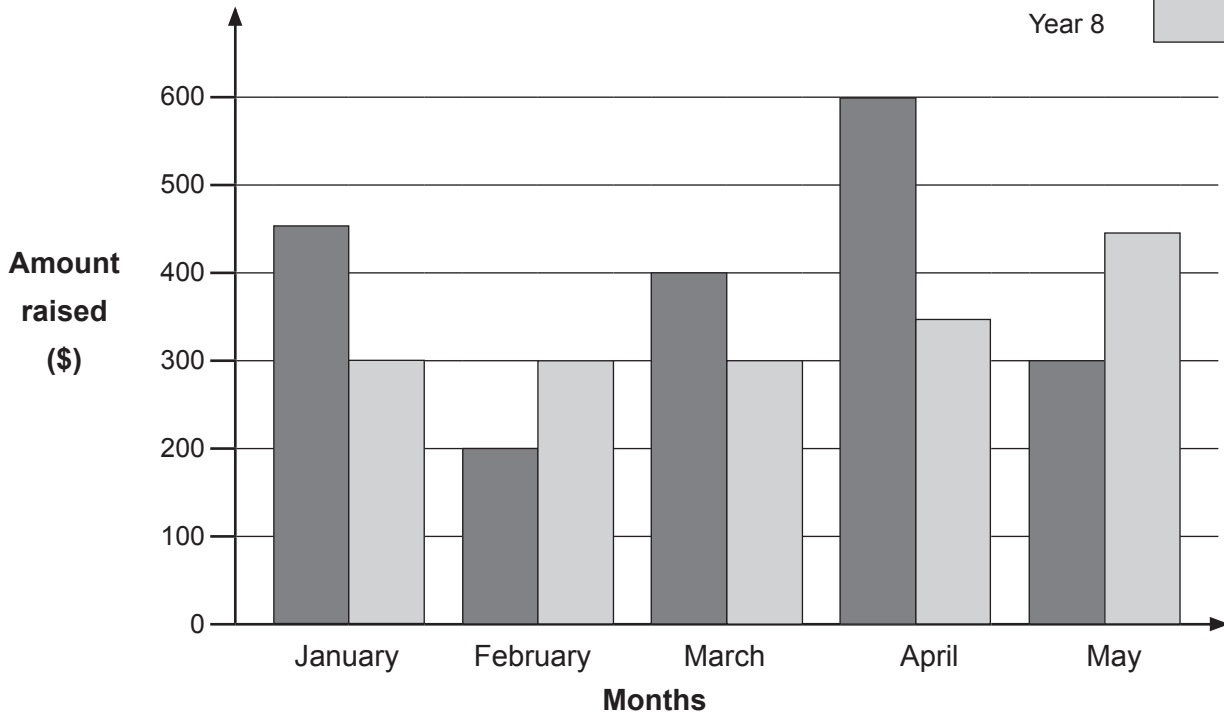
27

CAKE STALL FUNDS

Year 7



Year 8



This graph shows the amount of money raised each month from a cake stall by Year 7 and Year 8.

How much more money did Year 7 raise than Year 8?

Write your answer in the box.

28

7, 12, 27, 32, 47 ....

Shade one bubble.

This rule can be described as:

- Add 5 then add 15
- Double the previous number then subtract 70
- Subtract 15 then subtract 10
- Subtract 15 then subtract 5

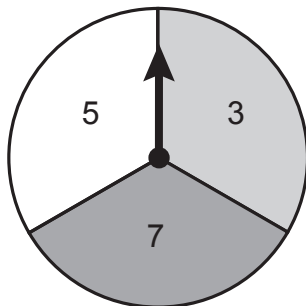
- 29 A mobile phone company charges a 55 cent connection fee and 30 cents for every minute of the call duration.

Which number sentence would calculate the cost of a 20 minute call?

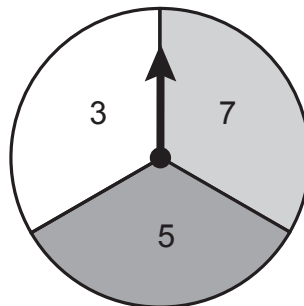
- $(55 \times 20) + 30$
- $(30 \times 20) + 55$
- $55 \times (20 + 55)$
- $55 \times (20 + 30)$

Shade one bubble. 

- 30 The arrows on Spinner A and B are spun.



Spinner A



Spinner B

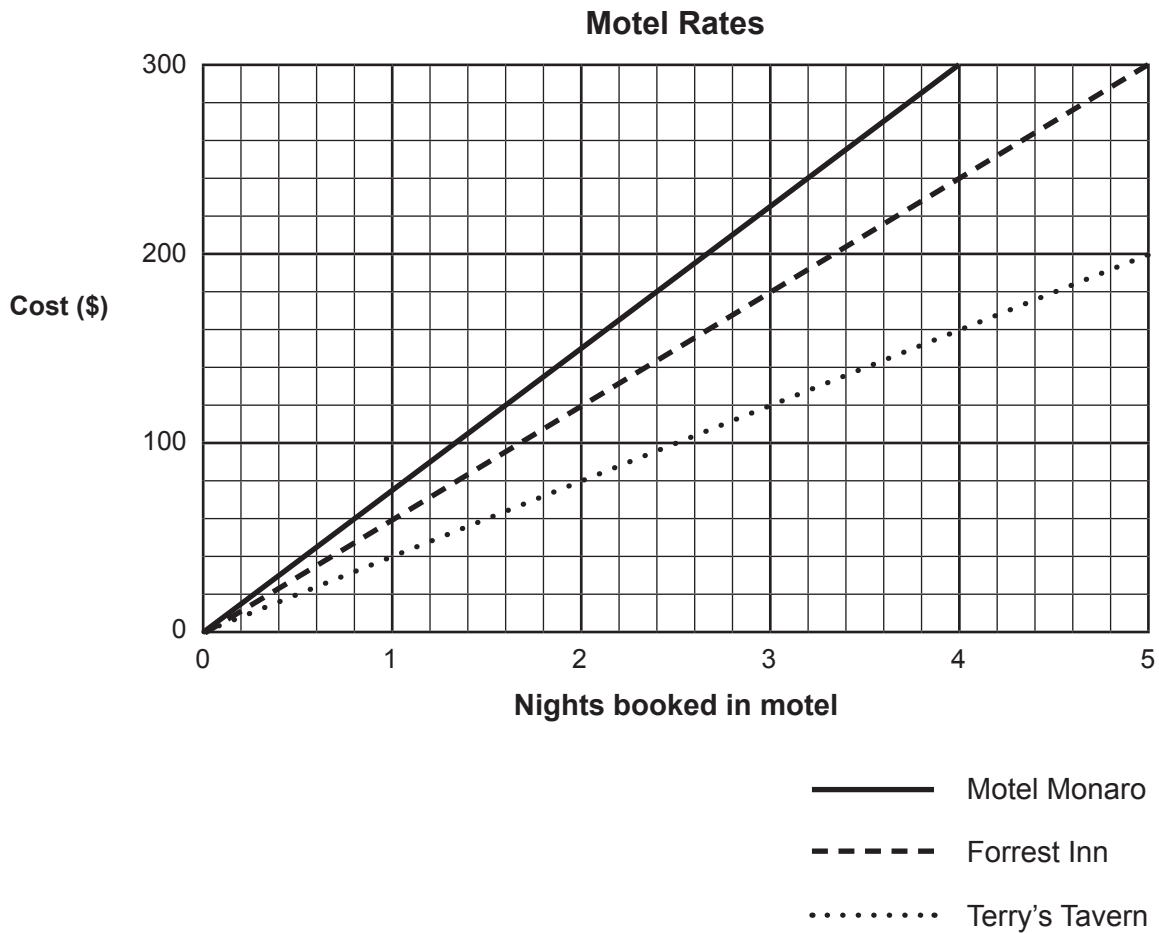
The two numbers that the arrows stop on are added together.

What is the chance of the arrow landing on a score of 10?

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Write one digit in each box. 

The next 2 questions refer to this graph:



31 Which motel charges \$120 for 3 nights?

Motel Monaro

Forrest Inn

Terry's Tavern

32 What is the difference in price between the most expensive and the least expensive hotel for 4 nights?

\$

Write your answer in the box.



END OF TEST