



Mathletics

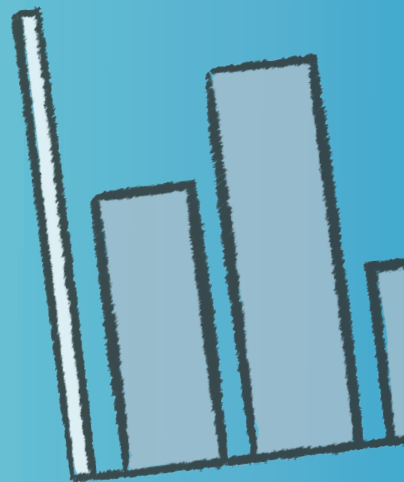
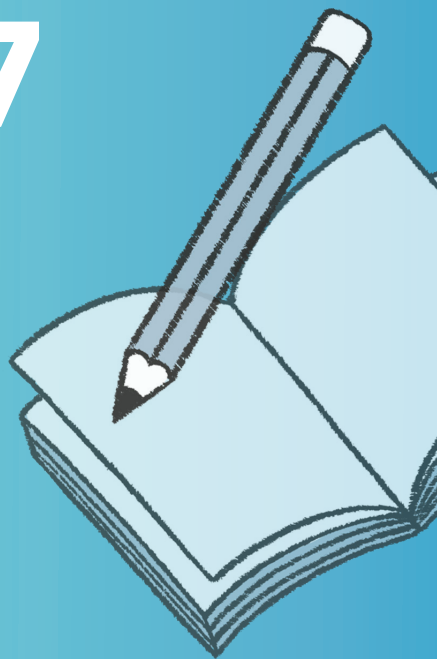
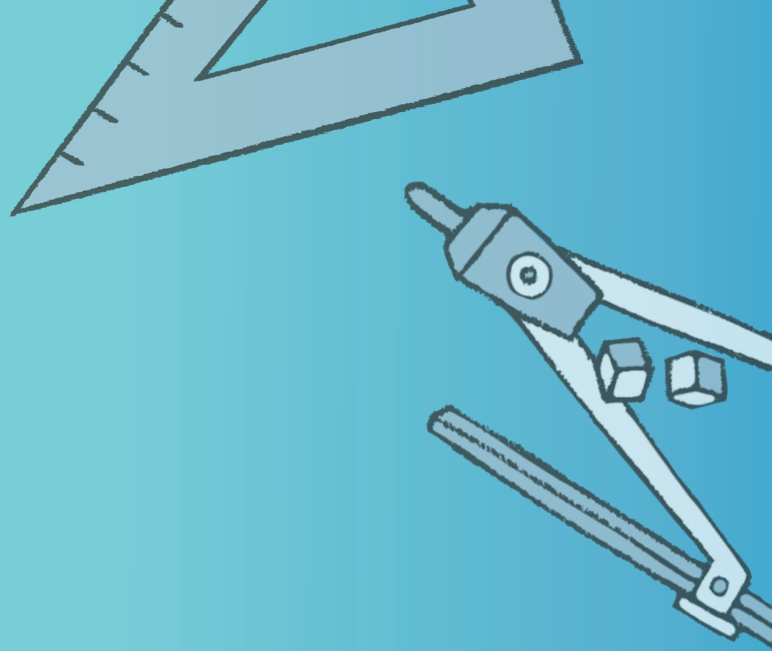
NAPLAN Year 7 Numeracy Test 3

(Non-Calculator)

Answers



A 3P Learning product

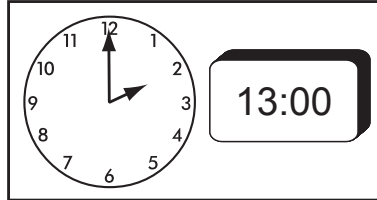
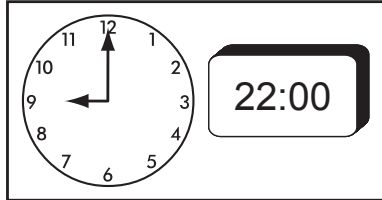
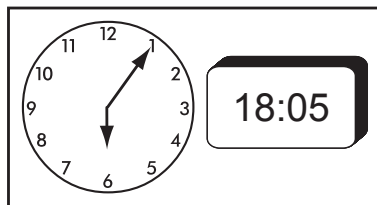
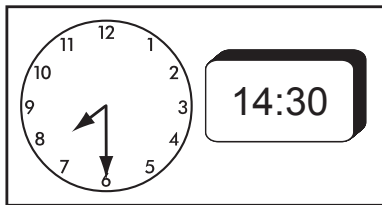


1 $2^2 \times 3^3 =$

Shade one bubble.

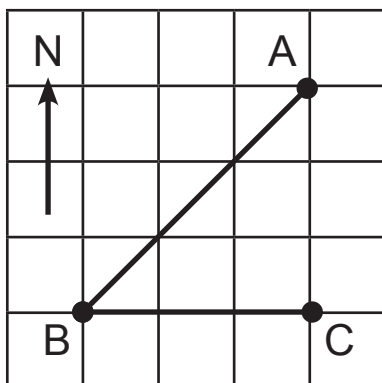
- 31
- 36
- 35
- 108

2 Which set of clocks are displaying the same time?



Shade one bubble.

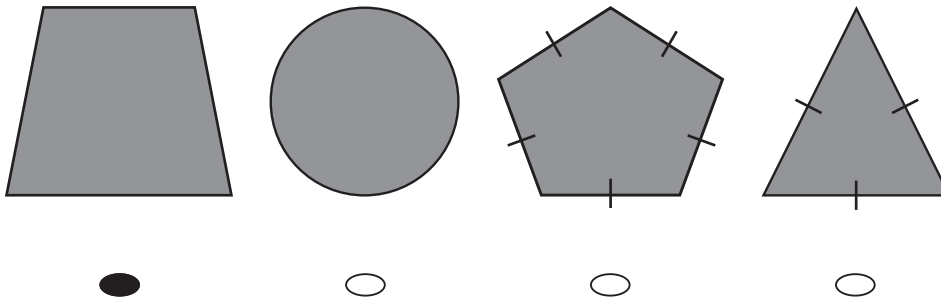
3 The map shows a path from A to B to C. The directions from A to C via B are:



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 40.1×0.98 is closest to:

Shade one bubble. 

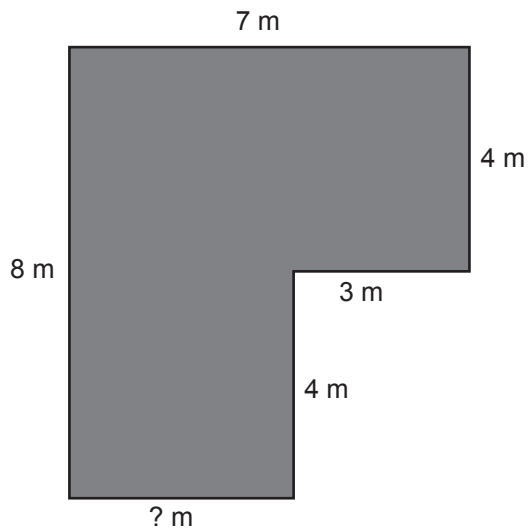
4

4000

0.004

40

10 What is the perimeter of this shape?



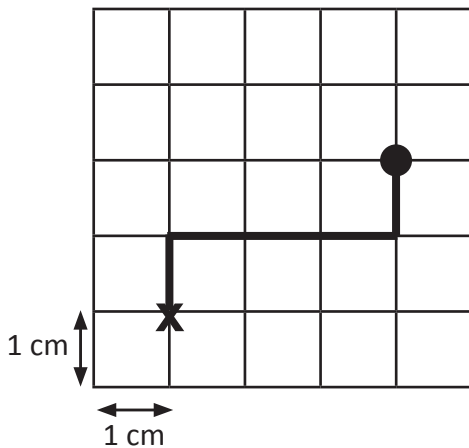
The perimeter of this shape is:

m

Write your answer in the box.



11 A student drew a path from the bus stop 3 to their front door to show that the distance is 150 metres. What scale did the student use?

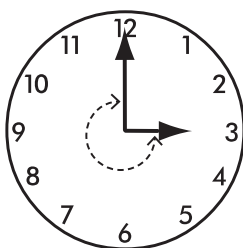


- 1 cm = 10 metres
- 1 cm = 5 metres
- 1 cm = 20 metres
- 1 cm = 30 metres

Shade one bubble.



12 What is the size of the marked angle?




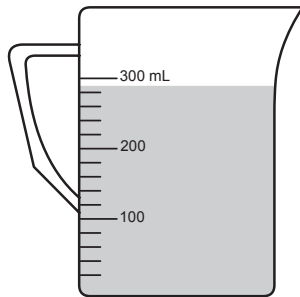
- 270°
- 180°
- 90°
- 45°

Shade one bubble.

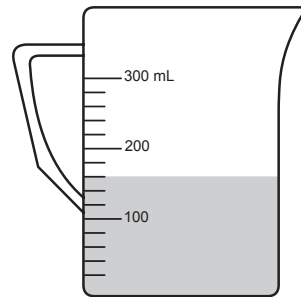


13 How much more juice is in Jug A?

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 $3.86 \div 0.2 =$

19.3

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

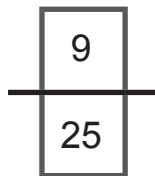
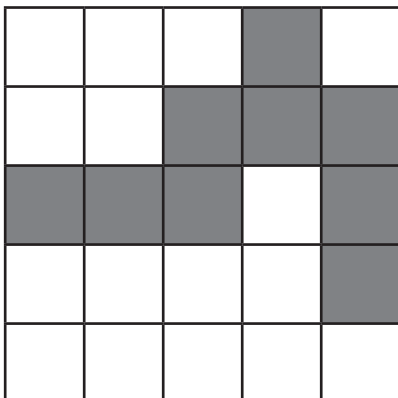
Write your answer in the box.



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.



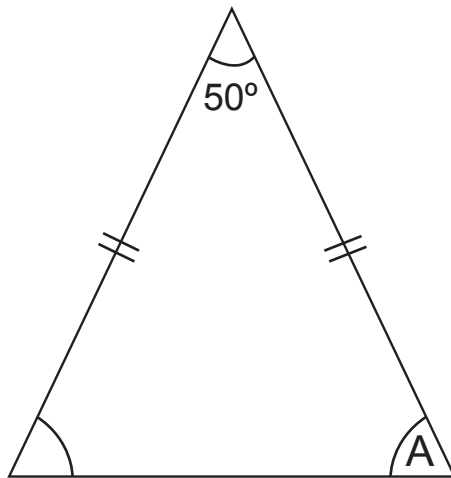
18 Which of these calculations gives the same value as $112 + 25$?

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

Shade one bubble.



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



Write your answer in the box.

75 °

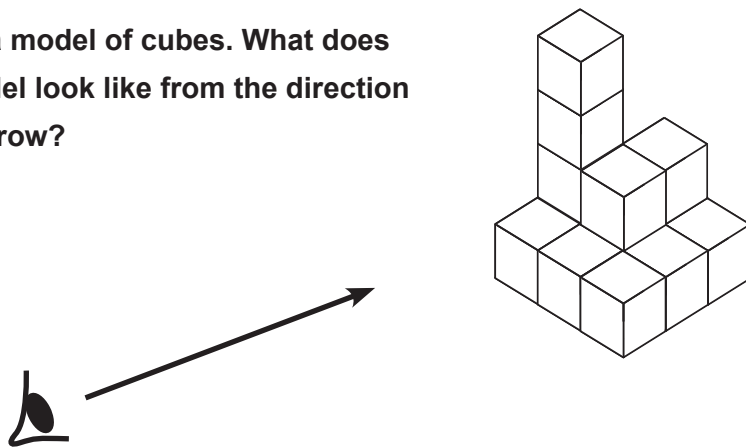
20 Maya starts with a number. She multiplies it by 9, subtracts 20 then adds 7. The answer is 95. What number did she start with?

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. 

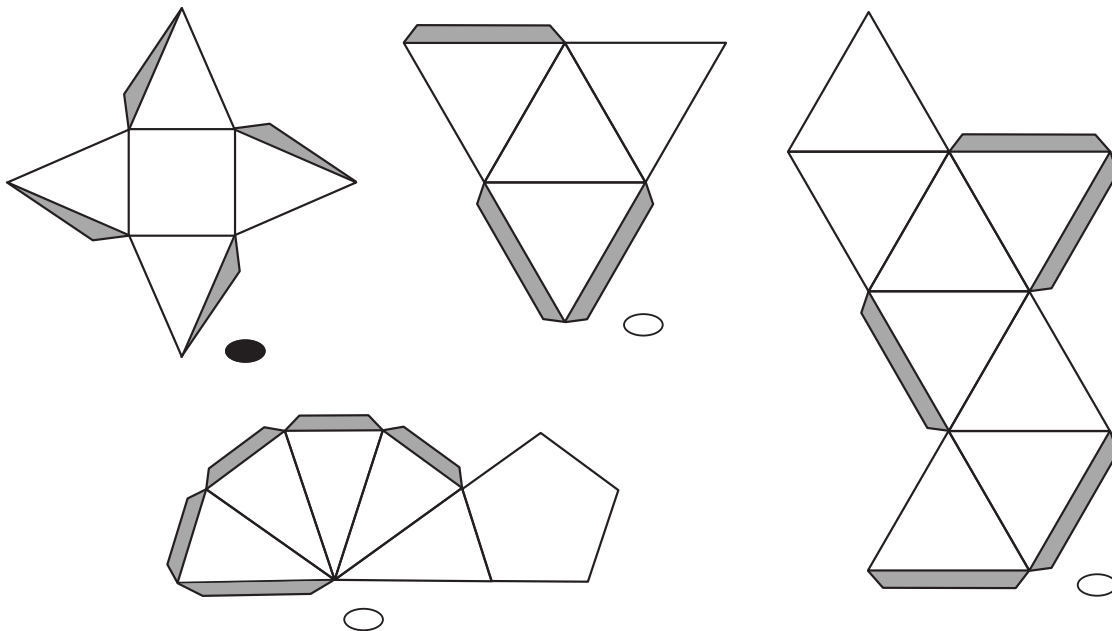
	Do wear glasses	Do not wear glasses
Male	3	12
Female	8	7

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. 

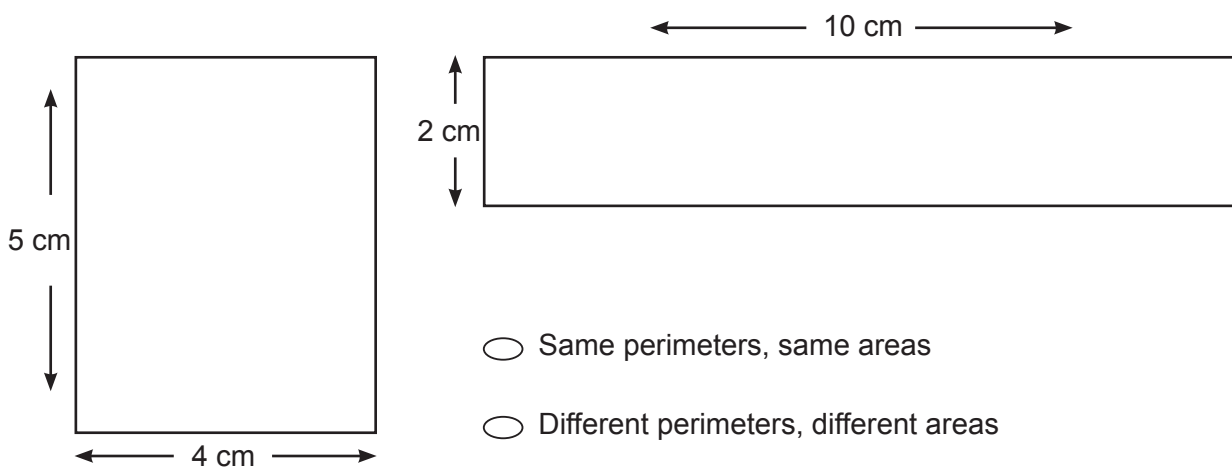
- Certain Impossible Unlikely Fifty-fifty
-

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:



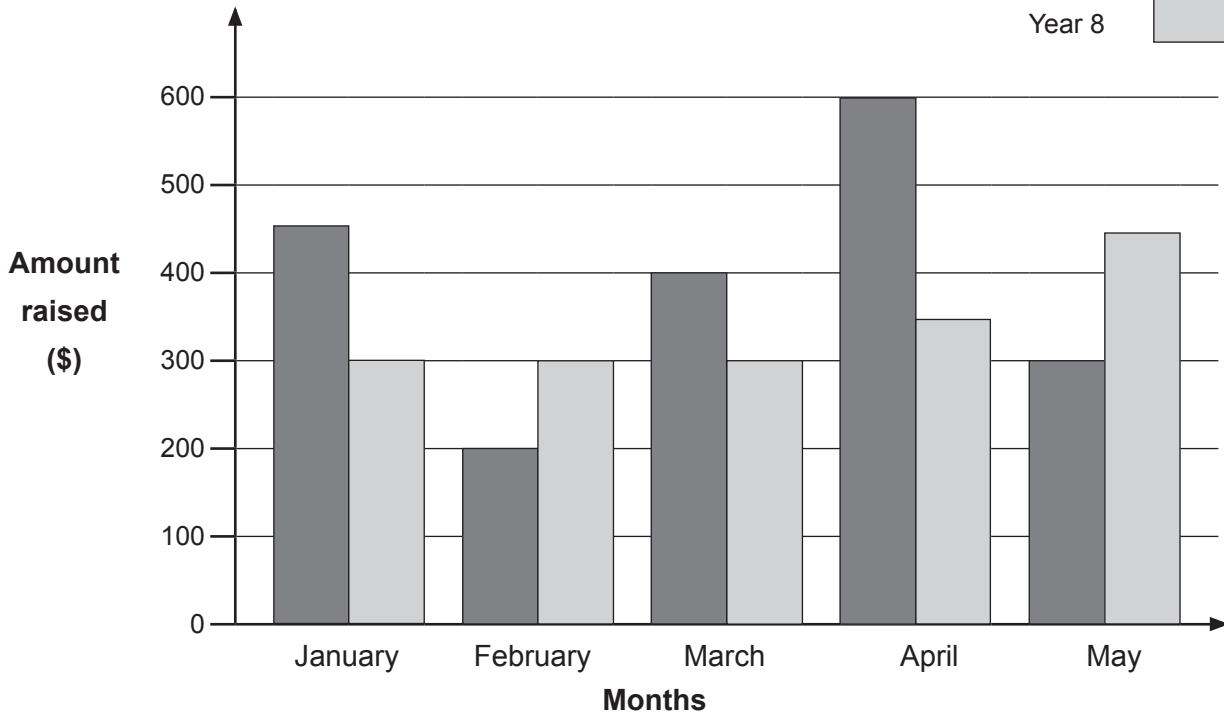
- Same perimeters, same areas
- Different perimeters, different areas
- Same perimeters, different areas
- Different perimeters, same areas

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?

\$250

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?

$(55 \times 20) + 30$

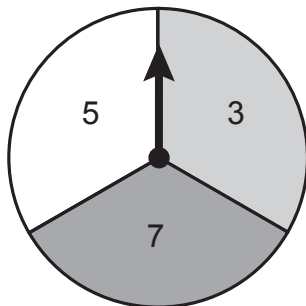
$(30 \times 20) + 55$

$55 \times (20 + 55)$

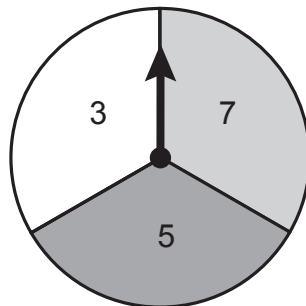
$55 \times (20 + 30)$

Shade one bubble. 

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



Spinner A



Spinner B

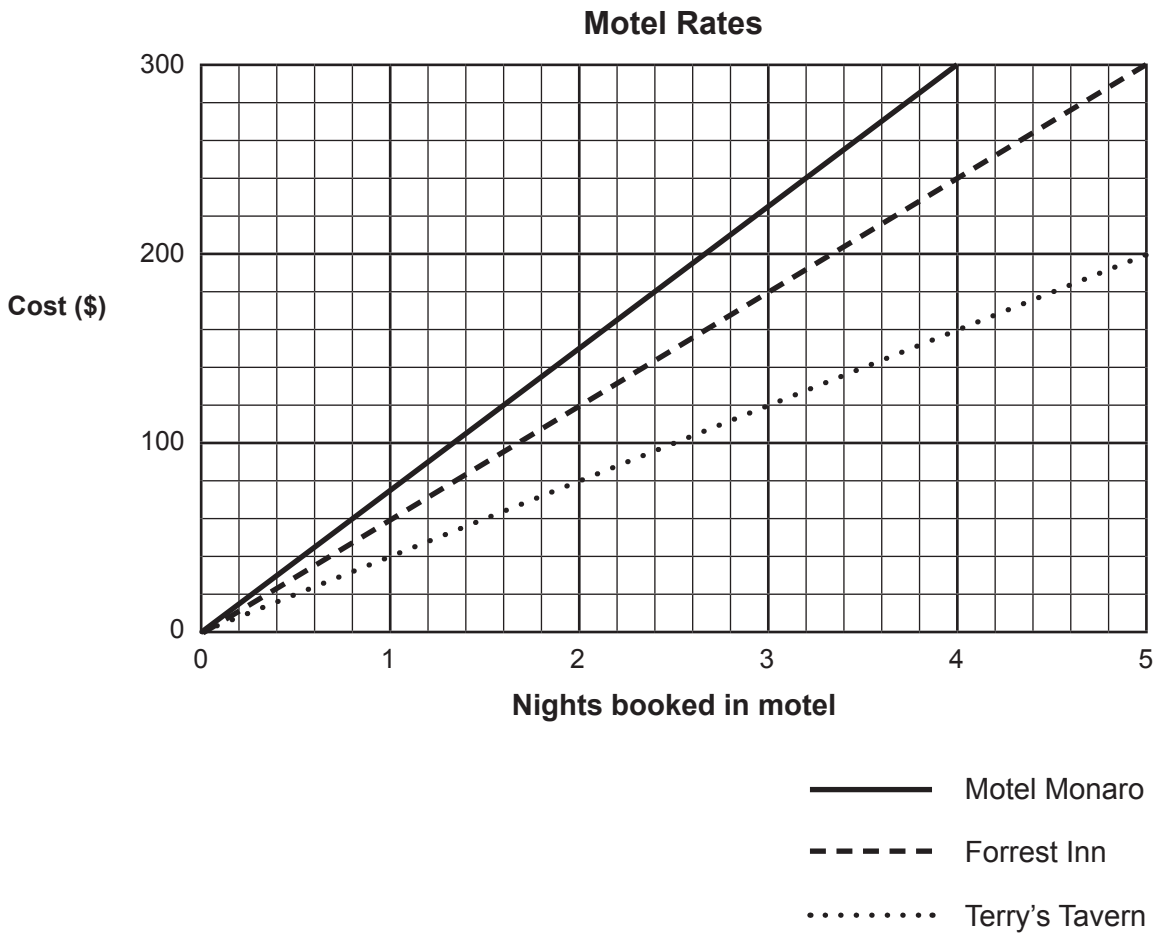
The two numbers that the arrows stop on are added together.

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

1
3

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