



Mathletics

NAPLAN Year 5 Numeracy Test 3



Answers



A 3P Learning product



1 Which symbol goes in the box to make this number sentence correct?

$$75 \boxed{?} 25 = 3$$

- + - × ÷

Shade one bubble. 

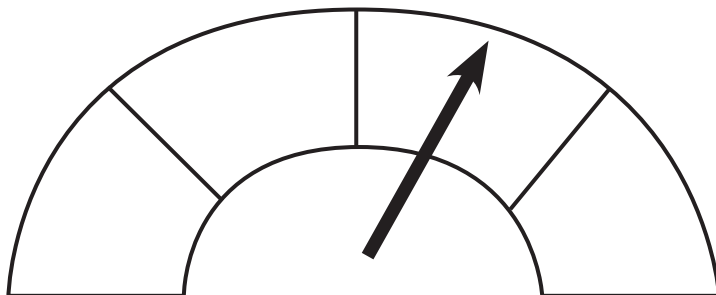
2 Tash and Juan went to a café and spent \$21 altogether on lunch.
Juan spent half as much as Tash.

How much did Juan's lunch cost?

- \$3 \$7 \$14 \$21

Shade one bubble. 

3 A petrol tank holds 80 litres when full.
How many litres are in the tank according to this scale?

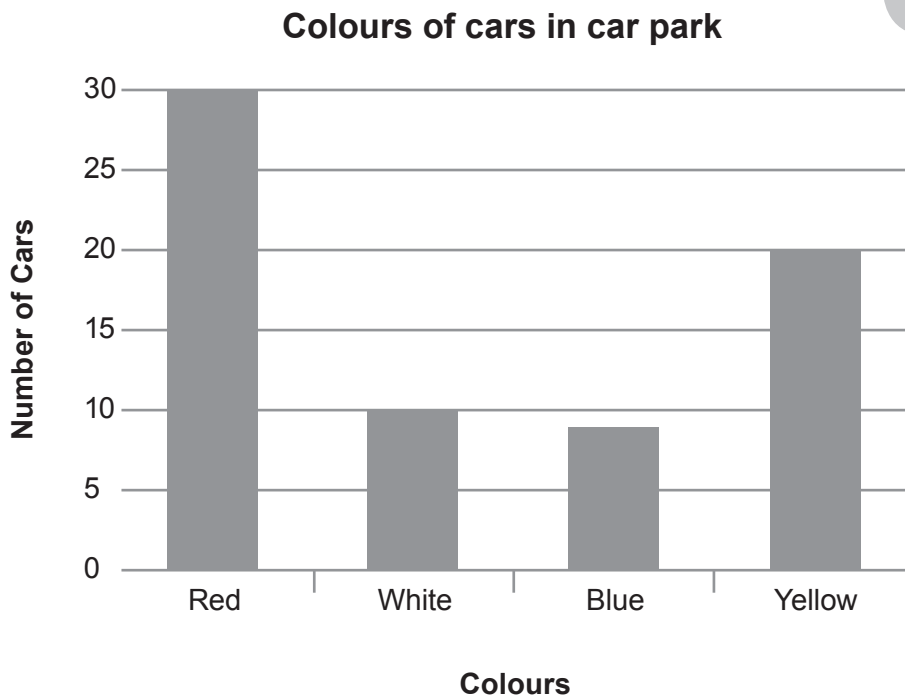


- 40 50 60 80

Shade one bubble. 

4 Complete the graph from the information in the table.

Colour of Car	Tally
Red	
White	
Blue	
Yellow	



Shade the missing column.

5 Bec has a savings goal of \$700. She has already saved \$243. How much more does she need to save to reach her goal?

- \$457
- \$547
- \$357
- \$657


Shade one bubble.

- 6 A group of students were asked to name their favourite animal after a trip to the zoo. This table shows the results.

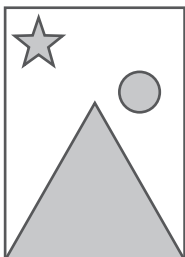
	Girls	Boys
Giraffe	6	4
Camel	5	2
Tiger	6	6
Monkey	4	6
Elephant	6	5

What percentage of students chose a monkey?

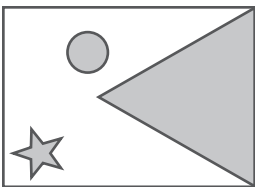
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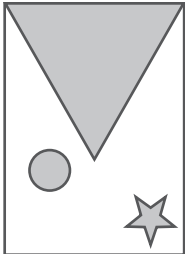
Write the answer in the box. 

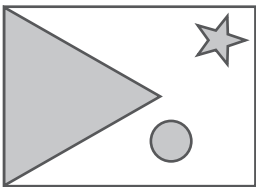
- 7 This tile has been turned 180 degrees.

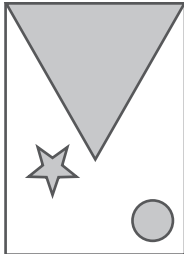


Which tile shows what it looked like before it was turned?



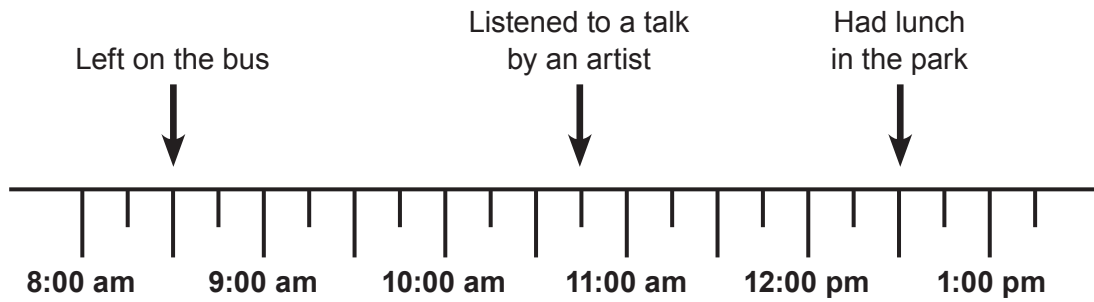






Shade one bubble. 

8 Tran made a timeline of an excursion to the art gallery.

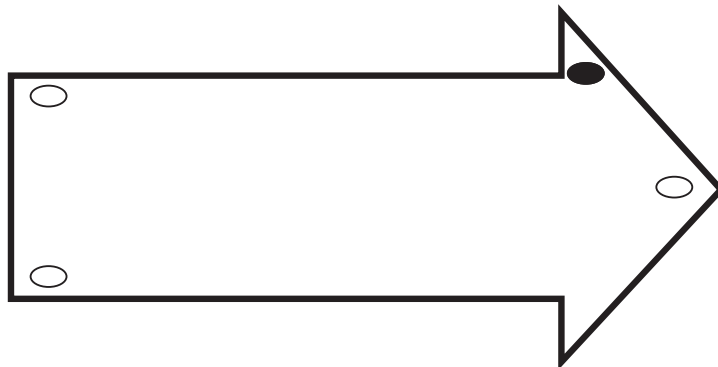


What time was the artist's talk?

10:45 am

Write the answer in the box.

9 Shade the bubble of the angle that is closest to an acute angle.



Shade one bubble.

10 A jar is half full of smarties.

When 50 smarties are added the jar is $\frac{3}{4}$ full.

How many smarties will there be in a full jar?

- 50
- 150
- 100
- 200


Shade one bubble.

11 Here is part of a number sequence.

550	555	560	565	570
-----	-----	-----	-----	-----

Which number would not be part of this sequence.

- 685 781 1025 990
-

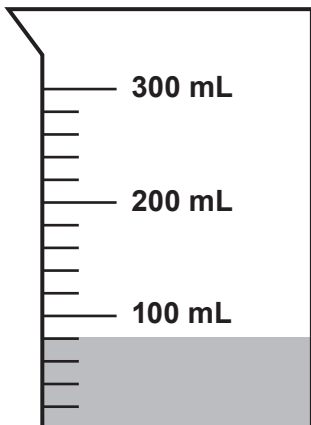
Shade one bubble. 

12 Altogether 3 hamburgers cost \$9.70. If two hamburgers cost \$3.70 each, how much does the third hamburger cost?


- \$6.70 \$6.30 \$6.70 \$2.30
-

Shade one bubble. 

13 Tara added 140 mL to this jug of water. How much water is now in the jug?




- 200 mL
- 220 mL
- 240 mL
- 260 mL

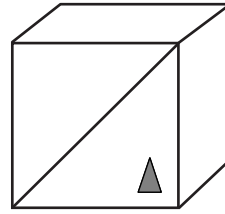
Shade one bubble. 

14 A bill arrives at the end of a meal for a group of people at a restaurant. For 11 people, the total bill is \$253. How much is it for 12 people if each person pays the same amount?

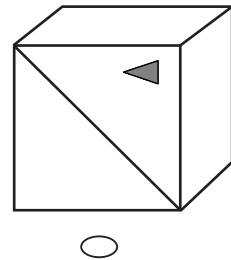
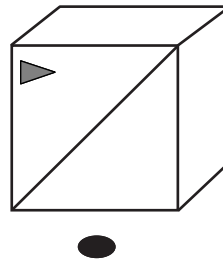
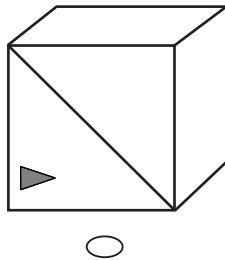
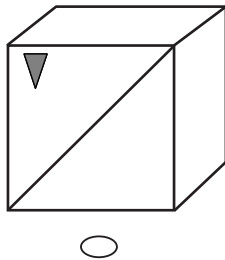
\$

Write the answer in the box. 

15 Rhys drew a line and a triangle on a cube. He then drew his cube in different positions.



Which of these is not the same cube?



Shade one bubble.

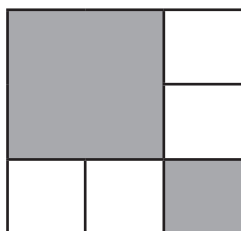
16 The sum of 2 numbers is 1000. Fill in the missing digits to make this true.

$$\begin{array}{|c|} \hline 7 \\ \hline \end{array} \begin{array}{|c|} \hline 9 \\ \hline \end{array} \begin{array}{|c|} \hline 3 \\ \hline \end{array} + \begin{array}{|c|} \hline 2 \\ \hline \end{array} \begin{array}{|c|} \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline 7 \\ \hline \end{array} = \begin{array}{|c|} \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline 0 \\ \hline \end{array}$$

Answers may vary.

Write one number in each box.

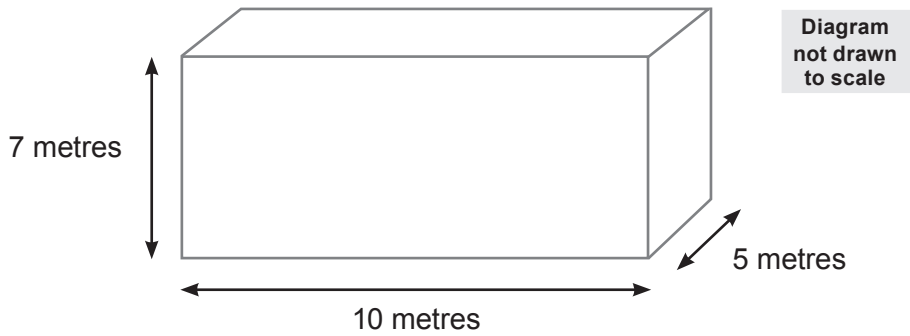
17 What fraction of this shape is shaded?



$$\frac{\begin{array}{|c|} \hline 5 \\ \hline \end{array}}{\begin{array}{|c|} \hline 9 \\ \hline \end{array}}$$

Write one digit in each box.

18 What is the volume of this container when half full of water?



- 140 m³
- 350 m³
- 175 m³
- 700 m³

Shade one bubble.

19 Lim and Stef made up a game using these cards.
 If Lim picks an odd number, Stef scores a point.
 If Lim picks an even number, Lim scores a point.



Is this game fair? Put a ring around one word: YES / **NO**

20 Ky has a piece of ribbon that is one metre long.
 He cuts off 60 centimetres. How much is left?

cm

Write the answer in the box.

- 21 Each side of this white square is half the length of a side of the grey square.
What is the area of the grey section?

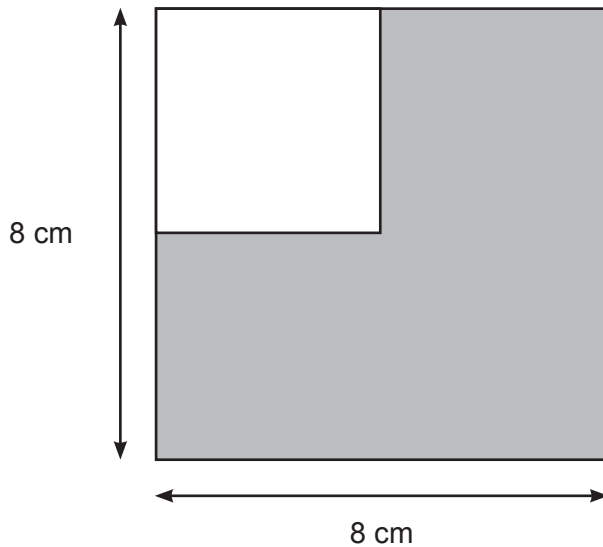


Diagram not drawn to scale

48 cm²

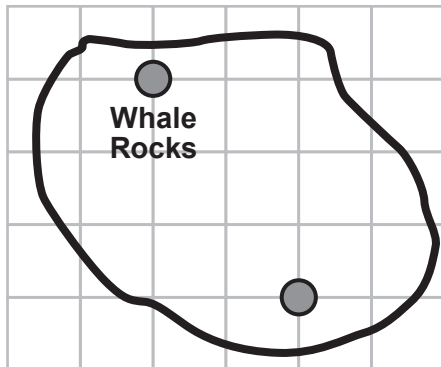
Write the answer in the box.

- 22 During an art lesson, 50 students each need 2 pencils.
If there are 20 pencils in each box, how many boxes of pencils are needed?

- 20 100 4 5
-

Shade one bubble.

- 23 Here is a map of Mermaid Island.
Travelling along the grid lines, what is the distance from Whale Rocks to Shark Bite Cove?



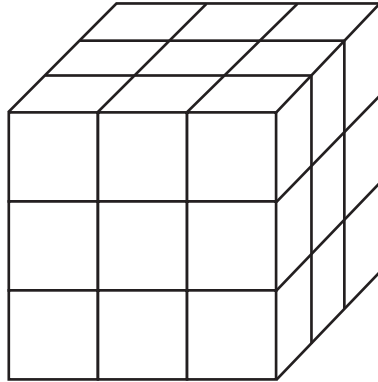
Scale

1 cm = 20 km

- 75 km 100 km 120 km 150 km
-

Shade one bubble.

24 Tash made this cube by connecting small plastic cubes.

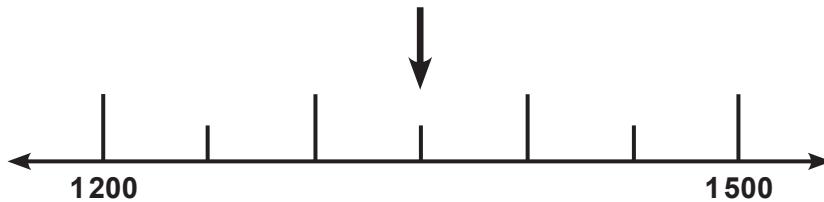


What is the least number of small cubes she will need to make a larger cube?

- 27 64 125 216
-

Shade one bubble.

25 Which number goes where the arrow is pointing?



- 1250 1300 1350 1400
-

Shade one bubble.

26 Akhil had 120 flowers to fill 9 vases. He put the same amount of flowers in each vase and had some left over.



How many were left over?

- 3 6 9 18
-

Shade one bubble.

27 Which row in this table shows what the symbols mean?

20  10  2 = 100

		
<input type="radio"/> A	÷	×
<input type="radio"/> B	+	×
<input checked="" type="radio"/> C	×	÷
<input type="radio"/> D	÷	+

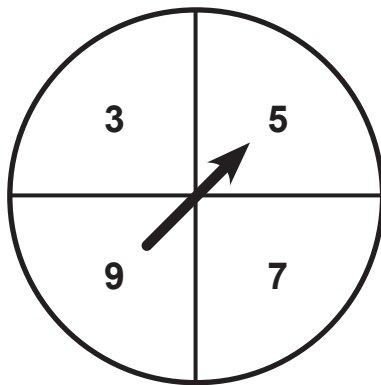
Shade one bubble. 

28 Ainslie ran in a race. After she had run 3.2 km she still had three quarters of the race to go. What was the total length of the race?

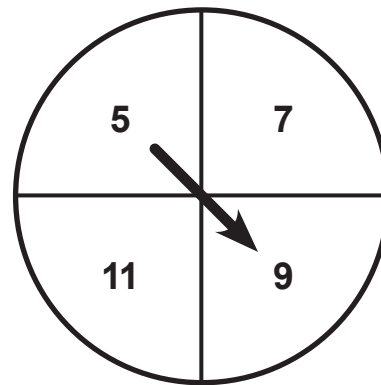
- 1.6 km 6.4 km 6 km 12.8 km
-

Shade one bubble. 

29 Dan spins the pointers on both spinners.




A



B

Which outcome is impossible?


- The score on A will be less than B
- The total will be less than 6
- The total will be an even number
- The total will be more than 15

Shade one bubble. 

30 Choose 3 cards to make an even number greater than 750.

4 7 6 1


7 6 4

Write one number in each box. 

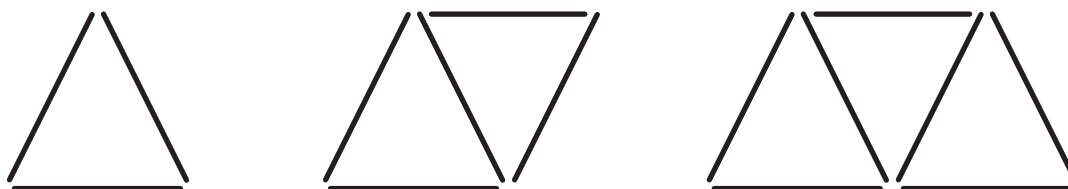
31 What amount is represented in this table?

Thousands	Hundreds	Tens	Ones
✓ ✓ ✓ ✓ ✓	✓ ✓		✓ ✓ ✓ ✓

- 5204 ones
- 5204 tens
- 5204 hundreds
- 5204 thousands


Shade one bubble. 

32 Tim made a pattern with toothpicks.

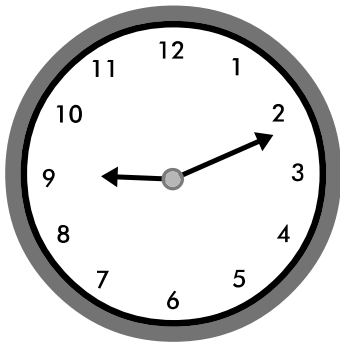


How many toothpicks will he use in the next shape?

- 7
- 8
- 9
- 10

Shade one bubble. 

33 The bus to the beach comes every 17 minutes.
Which is the next bus I can get if the current time is as shown on the clock?

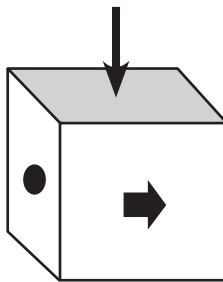
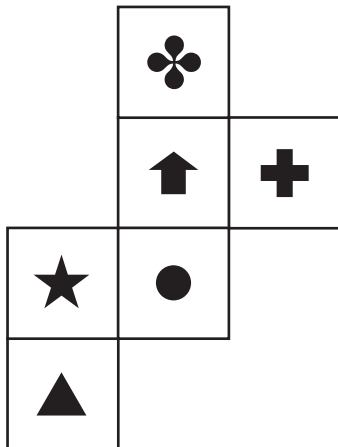


Bus times	
Bus A	9:07
Bus B	9:24
Bus C	9:41
Bus D	9:58

Bus A Bus B Bus C Bus D

Shade one bubble.

34 A cube is made from the following net. Which shape goes on the face where the arrow is pointing?

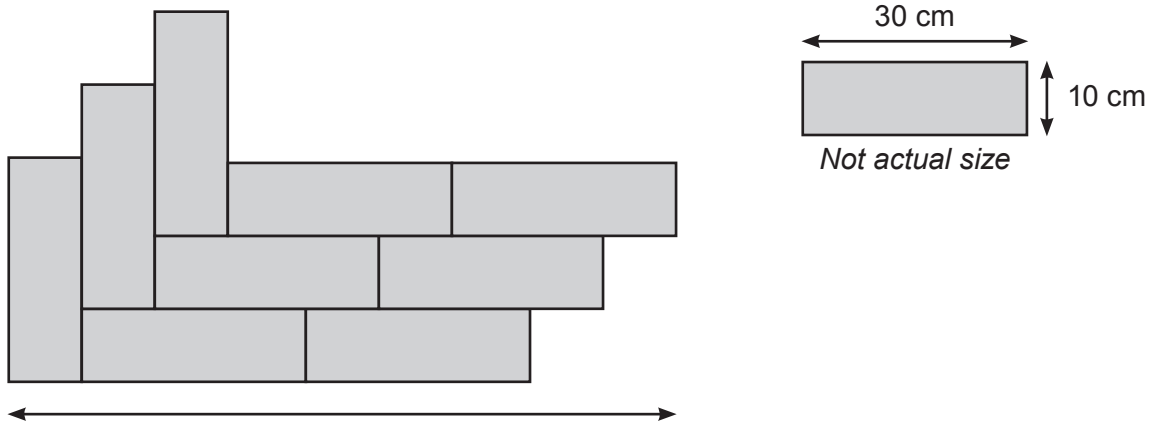


Shade one bubble.

35 Place a tick (✓) next to 2 numbers that add to give 10.

0.01	✓
9.09	
0.11	
9.9	
1.01	
9.99	✓

36 Hassan made a design with 9 identical rectangles.



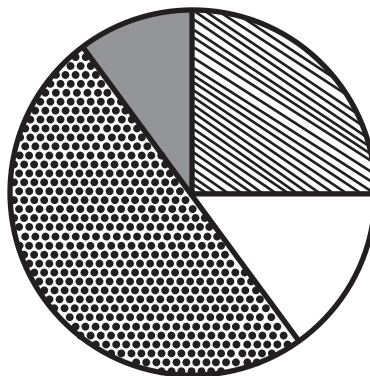
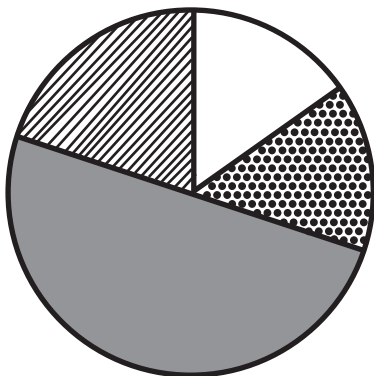
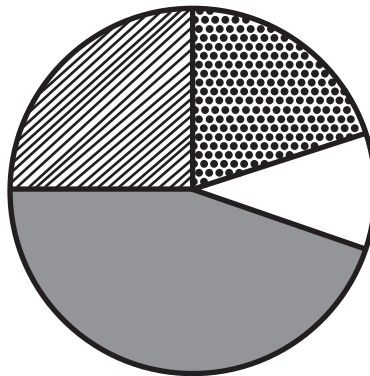
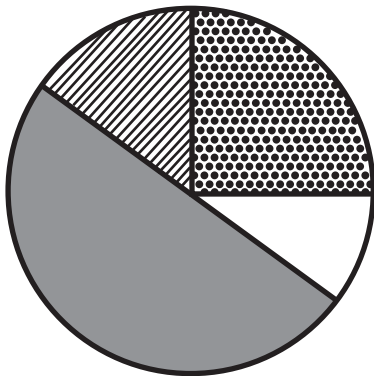
What is the length of this design?



90 cm

Write the answer in the box.



37 Pyra spent 25% of her pocket money on lollies, 10% on going to the movies, she saved 50% and bought her friend a birthday present with the rest. Which graph shows this?



-  lollies
-  movies
-  savings
-  present

Shade one bubble.



38 4 oranges fit into a small carton.

This is half as many that will fit into a medium carton and one third as many that will fit into a large carton.

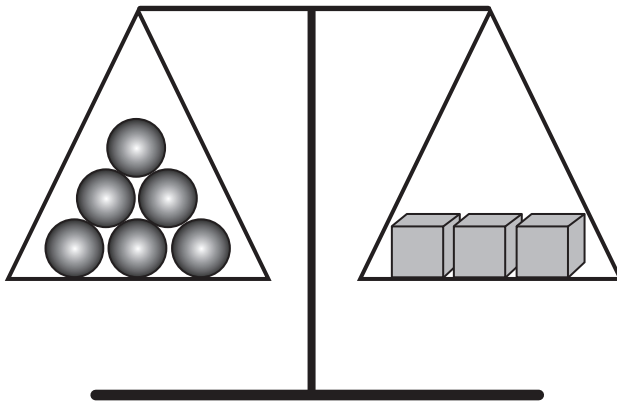
If Jai has 2 medium cartons and 1 large carton, how many oranges does he have?

28

Write the answer in the box.



39 The scales shown in the picture are balanced. If cubes weigh 200 grams each, how much does each sphere weigh?



- 100 grams
- 200 grams
- 300 grams
- 600 grams

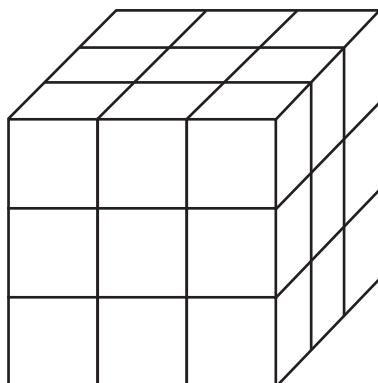
Shade one bubble.



40 A cube is constructed from 27 smaller cubes (as shown).

The outside of the cube is painted red.

How many of the smaller cubes will have exactly 2 sides painted?



- 4
- 8
- 12
- 16

Shade one bubble.



END OF TEST