



1 Which one of the following numbers does not have 2, 3 and 5 as its factors?

Shade one bubble. 


- 30 85 60
- 90 120

2 Which one of the following numbers is prime?

Shade one bubble. 

- 2 4 9
- 27 49


3 What is the middle number when these numbers are arranged in ascending order?

Shade one bubble. 


- 5.306 -5.4 -5.36
- 5.04 -5.3

4 The temperature in the freezer is kept at -16°C . If the room temperature is 14.3°C , what is the difference between these temperatures?

$^{\circ}\text{C}$

Write your answer in the box. 

5 $16 \div 0.2 =$

Shade one bubble. 

- 3.2 8 32
- 80 800

- 6 A laboratory experiment was completed at 10:05am after taking 2 hours and 43 minutes.

When was the experiment started?

Write your answer in the box.



- 7 $(5 \times 100) + (6 \times \frac{1}{10}) + (3 \times 1) + (8 \times \frac{1}{100}) + (7 \times 10)$ is equal to

573.68

57.368

57368

5736.8

563.87

Shade one bubble.



- 8 Which of the following fractions is closest to $\frac{1}{2}$?

(None of them are EQUAL to $\frac{1}{2}$)

$\frac{236}{568}$

$\frac{491}{812}$

$\frac{368}{732}$

$\frac{268}{134}$

$\frac{458}{792}$

Shade one bubble.



- 9 Which one of the following would produce the largest answer:

$10 \div 0.1$

10×0.1

$10 + 0.1$

$10 - 0.1$

Shade one bubble.



- 10 I counted the jelly beans in a small packet and found 6 white, 7 red, 4 yellow and 3 black jelly beans.

What is the ratio of the black ones to the yellow jelly beans?

- 1 : 4 3 : 4 3 : 7
 3 : 17 3 : 20

Shade one bubble.



- 11 I counted the jelly beans in a small packet and found 6 white, 7 red, 4 yellow and 3 black jelly beans.

What is the percentage of the jelly beans that are not black?

- 15% 20% 30%
 35% 85%

Shade one bubble.



- 12 $(\sqrt{188 + 37})^2$ is equal to:

- 12 X 12 13 X 13 14 X 14
 15 X 15 16 X 16

Shade one bubble.



- 13 The value of $\sqrt{5000 - 200}$ is closest to:

- 50 60 70
 80 240

Shade one bubble.



- 14 If a computer file repair process is successful 5 out of 7 times, then its percentage success rate to 2 decimal places is:

Write your answer in the box.



- 15 Toby loves making models of buildings, especially skyscrapers. He is very proud of his model of Canary Tower that measures 25 cm. His friend Harry has dared him to make a larger model of the same building so that the new one is in the ratio of 3:2.

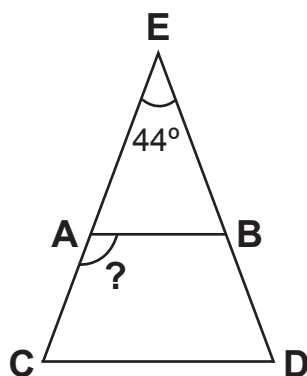
How tall will the new model be?

- 30 cm 32.5 cm 35 cm
 37.5 cm 40 cm

Shade one bubble.



- 16 In the isosceles triangle ECD, the line AB is parallel to CD. If $\angle E$ is 44° , $\angle BAC$ measures




- 44° 68° 88°
 112° 122°

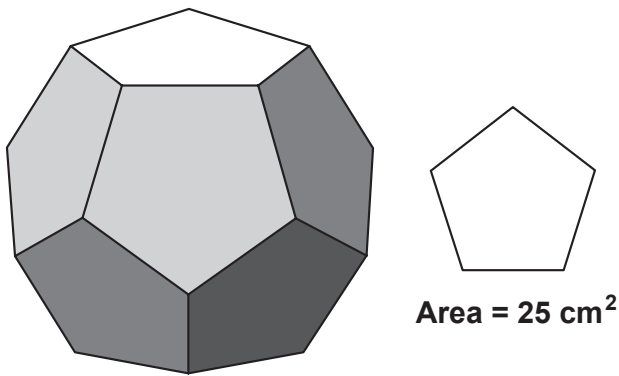
Shade one bubble.



- 17 A dodecahedron consists of identical, regular pentagons on each face. The area of one of these pentagons is 25cm.

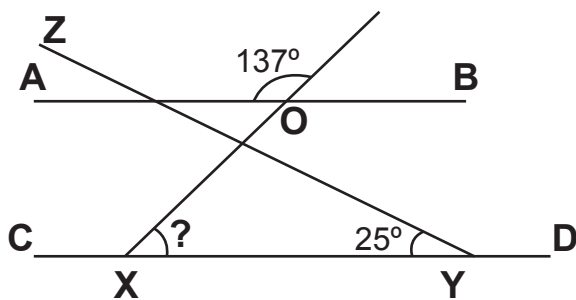
Shade one bubble. 


What is the total surface area of the dodecahedron?



- 25 cm² 150 cm² 250 cm²
 300 cm² 625 cm²

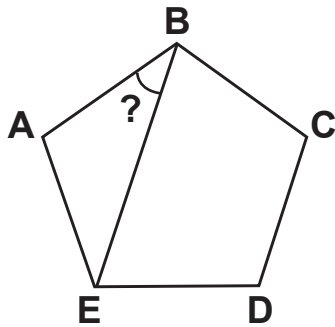
- 18 AB and CD are parallel lines that are cut by ZY and OX. Find the value of $\angle OXY$.



Shade one bubble. 

- 25° 43° 57°
 137° 143°

- 19 ABCDE is a regular pentagon. A line is drawn from B to E. What is the size of $\angle ABE$?



Shade one bubble.

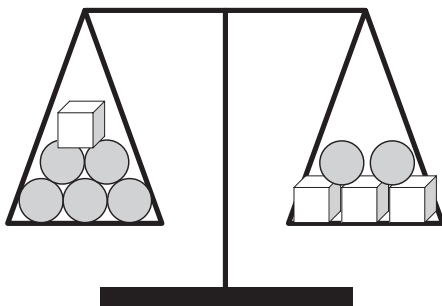
- 36° 54° 72°
 108° 144°

- 20 John is 2 years older than his sister Amber. Amber is only half of her father's age.

If Amber's father is 50 years old, how old is John?

Write your answer in the box.


- 21 The scales shown in the picture are balanced. If cubes weigh 150 grams each, how much do the spheres weigh?



- 50 75 100
 125 150

Shade one bubble.


22 $\frac{2x + 5}{3} = 30$, the value of x in this equation is:

Shade one bubble. 

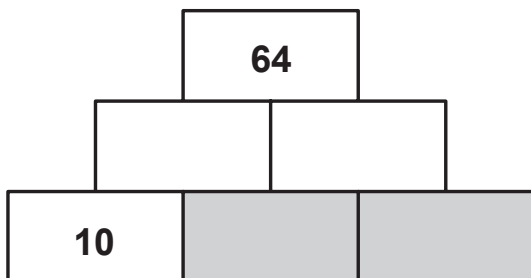
- 5
- 7.5
- 40
- 42.5
- 50

23 The solution to the equation: $3x + 5 = 7x - 11$ is:


$x =$

Write your answer in the box. 


24 Each brick is equal to the sum of the bricks it is sitting on. The two grey bricks on the bottom of the pile have exactly the same value. Determine the value of a grey brick.



Grey brick =

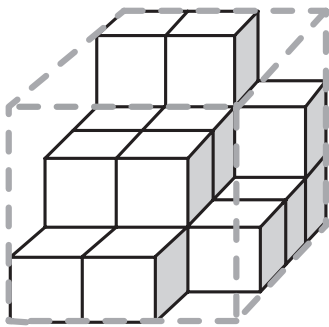
Write your answer in the box. 


25 $\frac{2x + 5}{3} = 5x + 6$, the value of x in this equation is:

Write your answer in the box. 

26 Shirley has been unpacking a container of boxes. The contents of the container are shown in the diagram.

If the container was full, how many boxes has she unpacked so far?




Shade one bubble. 

- 10
- 16
- 20
- 36
- 42

27 The colours of 20 cars in a car park were observed. There were 5 black, 2 navy, 6 grey, 3 red and the rest were white.

What is the probability that one of these 20 cars is white?

- $\frac{1}{4}$
- $\frac{1}{10}$
- $\frac{3}{10}$
- $\frac{3}{20}$
- $\frac{1}{5}$

Shade one bubble. 

28 A farmer feeds hay and grain to his cattle during the winter months. He buys 3 tonnes of grain each week and allows 20 kg for each cow per day.

How many cows does he have?

Shade one bubble.



- 3 cows 7 cows 9 cows
 21 cows 23 cows

29 ABC is a right-angled with side AB = 12 cm and the hypotenuse AC = 20 cm.

What does BC measure?

Shade one bubble.



- 8 cm 10 cm 12 cm
 14 cm 16 cm

30 Papex Pty,Ltd produce paper tissues in boxes measure 16 cm by 5 cm by 4 cm.

They plan to pack these boxes in a 10-box plastic-covered module for sale to shops.

What is the volume of this module?

Shade one bubble.



- 144 cm³ 250 cm³ 320 cm³
 1440 cm³ 3200 cm³

END OF TEST