



Answer Sheet

Paper Name: Maths-Mixed Questions

Paper ID: CUSTOM-MA-DB1442B63B

Full Name:



**YOU MUST ANSWER ON THIS SHEET. TAKE A PICTURE USING THE EXAM HAPPY APP
AFTERWARDS TO MARK YOUR WORK.**

How to answer:



A



B



C



D



E

How not to answer:



A



B



C



D



E

Use the **free Exam Happy app** to **view the average** for this paper and learn from **video solutions**

1					
	A	B	C	D	E
2					
	A	B	C	D	E
3					
	A	B	C	D	E
4					
	A	B	C	D	E
5					
	A	B	C	D	E
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	A	B	C	D	E
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	A	B	C	D	E
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	A	B	C	D	E
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	A	B	C	D	E
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18					
	A	B	C	D	E
19					
	A	B	C	D	E
20					
	A	B	C	D	E

- 1.** “Square of a number is always bigger than the number itself.”

Which of the numbers below does not satisfy the above statement?

A 3 **B** 4 **C** 8 **D** 2 **E** 1

- 2.** Jana thinks of a number that when multiplied by 9 and subtracted by 8 gives the square of the original number.

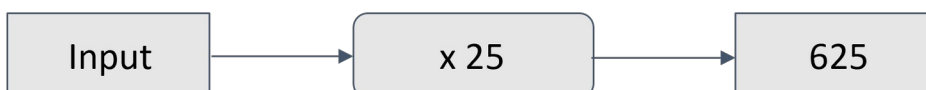
What number was Jana thinking of?

A 14 **B** 12 **C** 4 **D** 3 **E** 8

- 3.** Which of these options is FALSE?

- A** 40 is an even number.
- B** 31 is a prime number.
- C** The largest multiple of 7 less than 100 is 98.
- D** 2 is not a prime number.
- E** 8 is a factor of 48.

- 4.** Calculate the input if output is 625.



A 5 **B** 5^2 **C** 5^3 **D** 5^4 **E** 5^5

5. What is the difference between 16 squared and the nearest multiple of 45?

- A 41 B 31 C 14 D 34 E 15

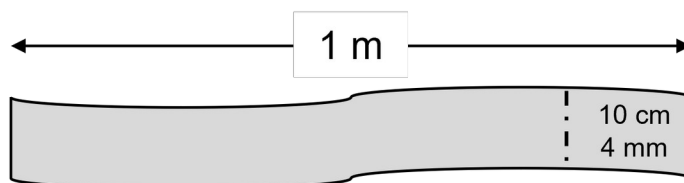
6. Five friends compete in a race to see who was fastest.

Tom	2 minutes 14 seconds
Yanna	128 seconds
Noah	2 minutes 22 seconds
Kunle	135 seconds
Piraveen	2 minutes 11 seconds

Who finished second-to-last?

- A Tom B Yanna C Noah D Kunle E Piraveen

7. Hussain is cutting a 1m length of cloth down to the right length. He is left with 10 cm 4 mm of cloth as leftover which he throws away.



What length of cloth did he keep?

- A 896 mm B 86 mm C 86 cm D 84.6 cm E 96.1 cm

- 8.** The average lifespan of different animals is shown in the table below:

Cow	1144 weeks
Crocodile	540 months
Turtle	123 years
Ferret	728 weeks

Which of the following shows the animals arranged in order of their average lifespans, starting with the smallest first?

- A** Ferret, Cow, Crocodile, Turtle
- B** Turtle, Cow, Ferret, Crocodile
- C** Ferret, Crocodile, Cow, Turtle
- D** Cow, Ferret, Crocodile, Turtle
- E** Cow, Ferret, Turtle, Crocodile

- 9.** Francois loves the baguettes made at his favourite bakery so much that he knows that they are 90 cm long, they weigh 300 g, and they cost £1.20 each.

Which of the following would give Francois the most baguettes?

- A** 7.2 metres of baguettes
- B** 2.7 kilograms of baguettes
- C** £8.40 worth of baguettes
- D** 6 metres of baguettes
- E** £7.20 worth of baguettes



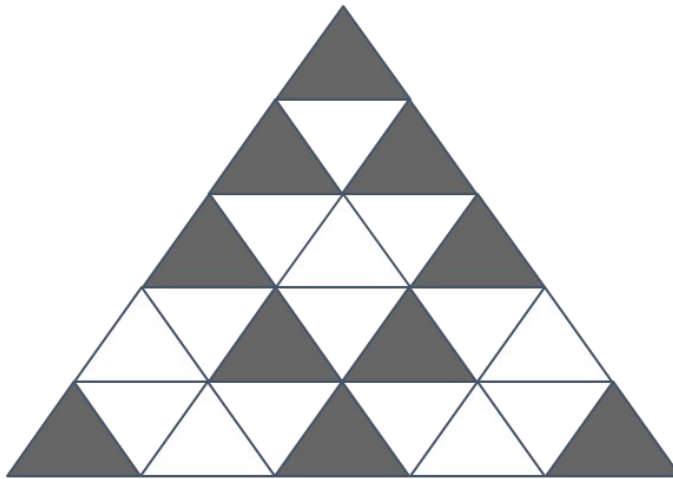
10. Which one of the following is equal to 1 million millimetres?

- A Ten thousand centimetres
- B One hundred metres
- C One kilometre
- D Two hundred thousand, two hundred inches
- E Twelve miles

11. What is $5^3 \times \sqrt{81}$?

- A 225 B 405 C 1125 D 135 E 1215

12.



What percentage of the whole shape is grey?

- A 20% B 10% C 30% D 50% E 40%

13. Jimmy thinks of a number. 45% of his number is 18.

What number is Jimmy thinking of?

- A 36 B 42 C 51 D 40 E 63

- 14.** A number is written as follows:

$$4^2 + 5^2 + 6^2$$

Which of these statements is TRUE about the number?

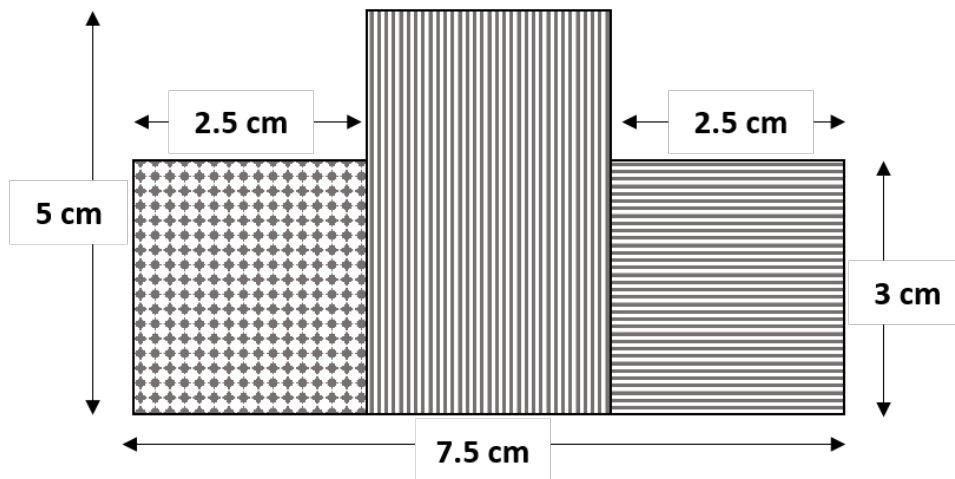
- A** It is a square number.
- B** It is a multiple of 9.
- C** It has only 2 factors.
- D** The sum of its digits equal to 10.
- E** It is a multiple of 11.

- 15.** On planet Rho, there are 1,000 millirhos in a rho, 100 rhos in a decarho and 10 decarhos in a kilorho.

How many millirhos are there in half kilorho?

- A** 550,000
- B** 500,000
- C** 52,000
- D** 510,000
- E** 50,000

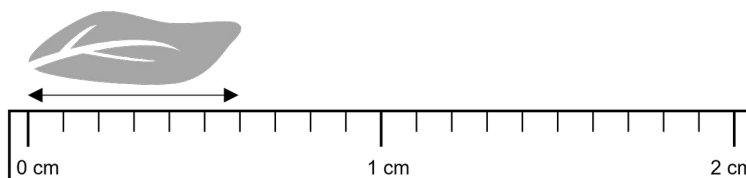
- 16.** Pictured below is the floor plan of Romeo's house, drawn with a scale of 1 cm : 2.5 m.



What is the perimeter of the house in real life?

- A** 125 m **B** 62.5 m **C** 25 m **D** 50 m **E** 31.25 m

- 17.** Kofi is measuring the length of a small leaf.



If this species of leaf can grow to 1.5 cm long, what percentage of its maximum size is Kofi's sample?

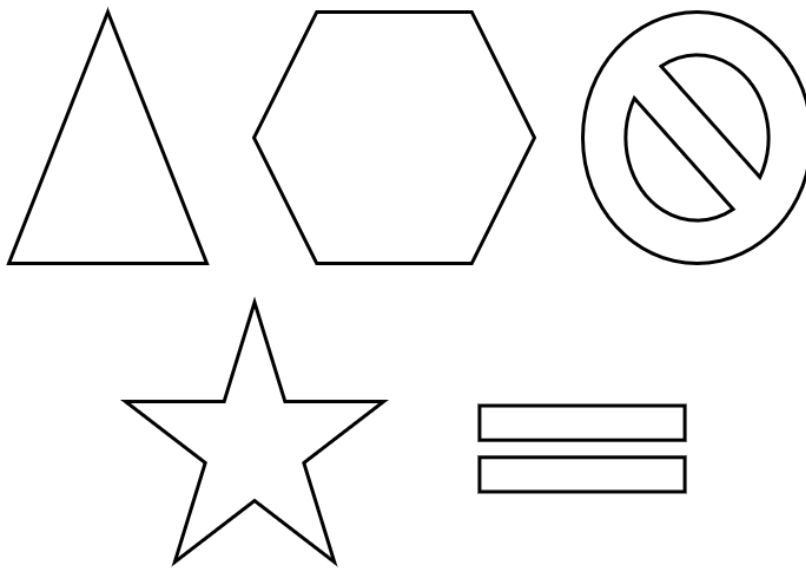
- A** 30% **B** 45% **C** 25% **D** 40% **E** 60%

- 18.** Albert runs 600 metres at 15 metres per second.
Jimmy takes 20 seconds more than Albert to cover the same distance.

At what speed does Jimmy run?

- A** 14 metres per second
- B** 10 metres per second
- C** 16 metres per second
- D** 12 metres per second
- E** 11 metres per second

- 19.** Observe the below shapes.



How many shapes have exactly two lines of symmetry?

- A** 1
- B** 2
- C** 3
- D** 4
- E** 5

- 20.** Sammy's bank provides 1.5% interest on money deposited into his account for one year. If he deposits £800 into his account, how much money will he have after 2 years?
- A** £812.00 **B** £820.12 **C** £824.18 **D** £818.12 **E** £826.18