



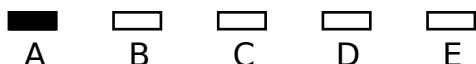
Answer Sheet

Paper Name: Maths-Measurements
Paper ID: CUSTOM-MA-1EB70928E3
Full Name:



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

How to answer:



How not to answer:



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					
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10					
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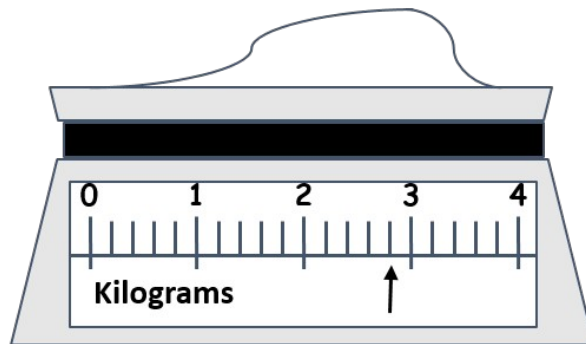
11					
	A	B	C	D	E
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	A	B	C	D	E
19					
	A	B	C	D	E
20					
	A	B	C	D	E

- 1.** What is the value of the following expression?

$$2^2 \times 3^2 \times 5^2$$

A 800 **B** 900 **C** 850 **D** 810 **E** 640

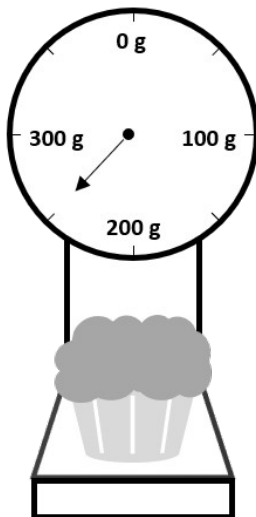
- 2.** Here is some salt on a weighing scale.



How many grams of salt must be removed to make 1.6 kg?

A 2,000 g **B** 1,200 g **C** 1,400 g **D** 1,500 g **E** 1,600 g

- 3.** The weight of a muffin is given to be 400g on its packaging. Karen weighs the muffin to see if the packaging is accurate.



By how much is the actual weight of the muffin different to that shown on the packaging?

- A** 250 g **B** 150 g **C** 300 g **D** 275 g **E** 315 g

- 4.** The length of a plank is equal to the sum of 10 m, 10 cm, and 10 mm.

How long is the plank in metres?

- A** 30.00 m **B** 11.01 m **C** 10.21 m **D** 10.11 m **E** 13.30 m

- 5.** A tank can hold 220,525 ml of water.

What is this to the nearest L?

- A** 220 L **B** 220,530 L **C** 221 L **D** 220,000 L **E** 250 L

- 6.** The very large piggy bank pictured below is filled with coins. Currently, it weighs 16 lb.



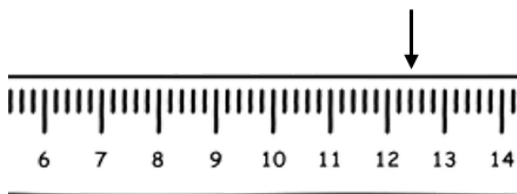
Note: 1 lb = 0.45 kg

How much does the piggy bank weigh, rounded to the nearest kg?

- 7.** Which of the following measurements of volume is greatest?

A 75 cl **B** 850 ml **C** 0.99 l **D** 1.01 l **E** 105 cl

- 8.**



What value is being pointed to on the ruler above?

A 12.5 **B** 12 **C** 12.25 **D** 12.4 **E** 12.6

- 9.** A regular hexagon has the same side length as a square.

What is the ratio of the perimeter of the hexagon to the perimeter of the square?

A 2 : 3 **B** 3 : 2 **C** 6 : 5 **D** 5 : 4 **E** 7 : 4

- 10.** Maria has two bottles of water.



Volume = $1\frac{5}{6}$ L



Volume = $2\frac{4}{5}$ L

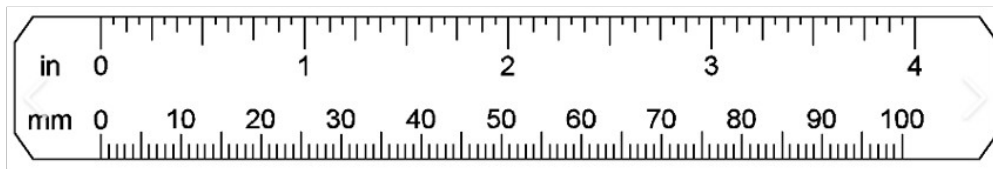
What is the difference between the volume of the larger bottle and the volume of the smaller bottle?

A $\frac{1}{30}$ L **B** $\frac{26}{30}$ L **C** $1\frac{1}{30}$ L **D** $\frac{29}{30}$ L **E** $1\frac{4}{30}$ L

- 11.** Which of the following statements is least likely to be true?

- A** An olive tree is 7 foot tall.
- B** The United Kingdom has a population of 70 million people.
- C** An octopus has 8 tentacles.
- D** A mountain is 5,000 cm tall.
- E** A cheetah can run at 70 miles per hour.

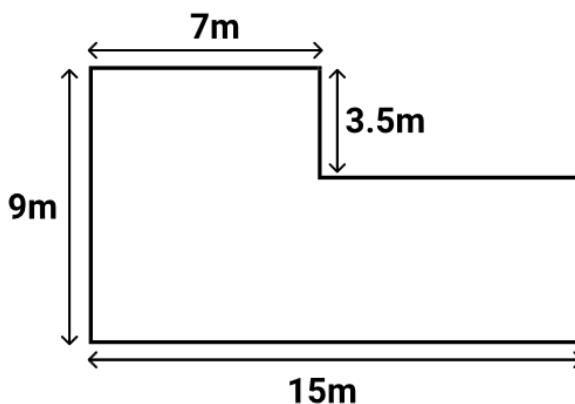
- 12.** A ruler measures the length of a pencil to be 5.7 cm.



Using the scale above to help you, what is the length of the pencil in inches?

- A** 2.30 in **B** 2.25 in **C** 2.20 in **D** 2.15 in **E** 2.10 in

- 13.** Mr. Mills wants to add fencing around his garden.



How many metres of fencing will he require?

- A** 34.5 m **B** 40.5 m **C** 48.0 m **D** 39.0 m **E** 47.5 m

- 14.** Sally bends a rope into a square. The area of the square is 100 cm^2 .

How long is the rope?

- A** 20 cm **B** 10 cm **C** 40 cm **D** 30 cm **E** 50 cm

- 15.** On one day, 50 roubles (£) = 1 pound (£).

A piece of wooden furniture costs £210 in London.

It costs £215 in Manchester.

It costs ₴10,350 in Moscow.

It costs ₴10,800 in Saint Petersburg.

In which location is the piece of wooden furniture cheapest?

- A** London
- B** Manchester
- C** Moscow
- D** Saint Peterburg
- E** Both London and Moscow

- 16.** Which of the following is equal to one hundred thousand?

- A** number of millilitres in a centilitre
- B** numbers centimetres in a kilometre
- C** number of grams in a tonne
- D** number of pennies in one hundred pounds
- E** number of grams in a kilogram

- 17.** The conversion between kilogram and pounds is $1 \text{ kg} = 2.2 \text{ lbs}$. How much does a suitcase weighing 45 kg weigh in pounds?

- | | | | | |
|------------------|------------------|------------------|------------------|------------------|
| A 20.0 kg | B 90.0 kg | C 99.0 kg | D 94.5 kg | E 22.5 kg |
|------------------|------------------|------------------|------------------|------------------|

- 18.** Which of the following is the largest?

- A** 3600 sec
- B** 880 hours
- C** 35 days
- D** 4 weeks
- E** 1 month

- 19.** Kitchen tiles are 20 cm x 20 cm. How many tiles are required to cover a kitchen floor measuring 3.4 m x 1.8 m?

A 153 **B** 170 **C** 165 **D** 175 **E** 143

- 20.** How many millilitres are in 50 centilitres?

A 500 ml **B** 5 ml **C** 5000 ml **D** 0.5 ml **E** 0.05 ml