

Topic Test 1 (20 minutes)

Basic percentages - Foundation

1 Write 63% as a decimal.

[1 mark]

Answer _____

2 Write 85% as a fraction in its simplest form.

[1 mark]

Answer _____

3 Circle the smallest value.

[1 mark]

$$\frac{7}{20}$$

30%

0.33

one-third

4 Circle the fraction that is equivalent to 44%

[1 mark]

$$\frac{4}{9}$$

$$\frac{11}{25}$$

$$\frac{11}{20}$$

$$\frac{4}{11}$$

5 Arrange the following values in order, starting with the smallest.

0.7 $\frac{5}{8}$ 66% three-quarters

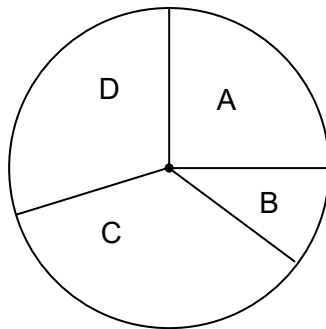
[2 marks]

Answer _____

6 A circle is divided into 4 pieces.

Estimate what percentage each piece is of the original circle.

[3 marks]



Not drawn accurately

A = _____ %

B = _____ %

C = _____ %

D = _____ %

-
- 7 Tom, Dick and Harry share a pizza.
Tom eats 50% of the pizza.
Dick eats 50% of what is left.

What percentage of the original pizza does Harry eat?

[2 marks]

Answer _____ %

- 8 Which is the greater percentage?

18 out of 40
or 41 out of 90

[2 marks]

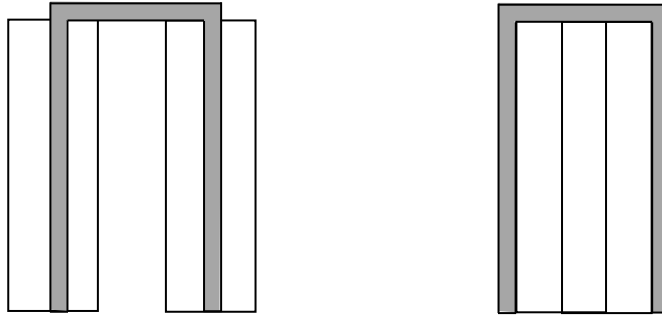
Answer _____

- 9 A quantity is doubled in size.
By what percentage has it increased?
Circle your answer.

[1 mark]

2% 50% 100% 200%

- 10** A doorway is closed by 2 sliding doors.
Each sliding door is 60% of the width of the doorway.
When the doors are closed they overlap.



Not drawn
accurately

What percentage of the width of the doorway is the overlap?

[1 mark]

Answer _____ %

- 11** Which of the following statements is definitely false.
Tick your choice.

[1 mark]

I blew the balloon up to 120% of its original size.

I ate 120% of the cake.

I need to use 120% of the quantities in the recipe to
change a recipe for 5 people into one for 6 people.

The height of the sunflower more than doubled in
size because the height increased by 120%

-
- 12** A farm has a total area of 160 hectares.
62 hectares are used for growing crops.

Work out the percentage of the area of the farm that is used for growing crops.

[2 marks]

Answer _____ %

- 13** 40% of the trees in a wood are diseased.
75% of the trees in the wood are elms.

Work out the **least** possible percentage of trees in the wood that are diseased elms.

[2 marks]

Answer _____ %