Topic test 1 (20 minutes)
Basic decimals - Foundation

1 The cost of hot drinks in a café are shown below.

Coffee	£1.50
Tea	£1.25
Hot chocolate	£2.00

Tom buys two hot chocolates and one tea.
He pays with a £10 note.

How much change does he get?

[2 marks]

Answer £ _____

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

$$0.458 \qquad \frac{11}{20} \qquad 0.543 \qquad \frac{23}{50}$$

You must show your working.

[2 marks]

Answer _____

3 Write $\dfrac{19}{20}$ as a decimal.

[1 mark]

Answer _____

4 You are given that $56.7 \times 42 = 2381.4$

4 (a) Write down the value of 567×42

[1 mark]

Answer _____

4 (b) Write down the value of $238.14 \div 56.7$

[1 mark]

Answer _____

4 (c) Work out the value of 56.7×41

[2 marks]

Answer _____

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England and Wales (number 3644723). Our registeraddress is AQA, Devas Street, Manchester M15 6EX.

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5 Which is larger 62% or $\dfrac{5}{8}$?

You **must** show your working.

[1 mark]

6 Write these numbers in order, starting with the smallest

$$-\dfrac{2}{3} \qquad -0.7 \qquad -\dfrac{5}{8} \qquad -0.701$$

[2 marks]

Answer _____

7 Write 0.44 as a fraction in its simplest terms.

[1 mark]

Answer _____

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8   Here is a number machine.

Input

-1.5 $\times\,0.8$
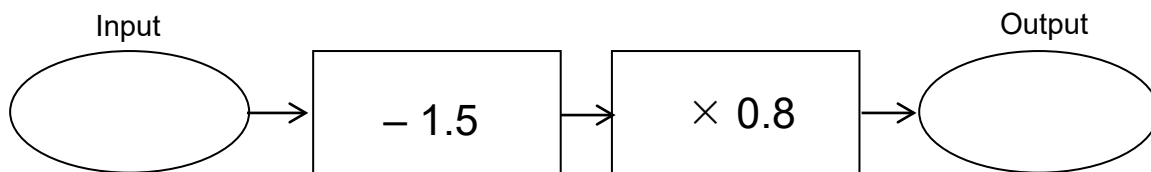
Output

8 (a)   Work out the output when the input is 4.5

[1 mark]

Answer _____

8 (b)   Work out the input when the output is 6.4

[2 marks]

Answer _____

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9 A mobile phone company has three text packages.

Bundle A – 150 text messages for £6 then 5p each per text

Bundle B - 4.2p per text

Bundle C - First 50 text messages 3p each then 5p each text after 50

Adrian wants to sends 200 texts.

Work out the best bundle.
You **must** show your working.

[4 marks]

END OF QUESTIONS