Non-calculator Questions

Edexcel

1.

Write 8% as a decimal.

(1)

City & Guilds

2.

What is $\frac{2}{3}$ as a percentage? Give your answer rounded to two decimal places.

_____%

(1 mark)

3.

What is 52% as a fraction in its lowest terms?

(1 mark)

4.

Which one of the following lists is in decreasing order?

(tick one box)

A $\frac{1}{5}$ 0.05 $\frac{17}{50}$ 0.15   ☐

B   0.05 $\frac{17}{50}$ $\frac{1}{5}$ 0.15   ☐

C   0.15 $\frac{1}{5}$ 0.05 $\frac{17}{50}$ ☐

D $\frac{17}{50}$ $\frac{1}{5}$ 0.15   0.05   ☐

(1 mark)

5.

What is 0.825 as a percentage?

_____%

(1 mark}

Highfield

6.

Which of these numbers is equivalent to 73%?

7.3   7300   73   0.73   0.073

Write the answer in the box below.   *(1 mark)*

Answer: _____

AQA

7.

What is $\dfrac{3}{5}$ as a decimal?

Circle your answer.

[1 mark]

0.06   0.35   0.53   0.6

8.

Complete the table to show equivalent fractions, decimals and percentages.

[3 marks]

Fraction	Decimal	Percentage
$\dfrac{3}{5}$	0.6	
$\dfrac{11}{40}$		27.5%
	0.95	95%

Calculator Questions

Edexcel

1.

Write 21.9% as a decimal.

(1)

NCFE

2.

Dave is a salesman.

He is paid a basic salary plus a bonus based on the sales he makes.

Last year Dave's bonus was $\frac{3}{8}$ of his salary.

Write $\frac{3}{8}$ as a decimal **and** as a percentage.

[2 marks]

Decimal:

Percentage:

3.

The proportion of commuters who cycle to work in the UK is 0.06

Write 0.06 as:

- a fraction
- a percentage.

[2 marks]

Your answer: **Fraction:**

Percentage:

4.

The average UK gas bill is 3.875 times more than the average UK electricity bill.

[2 marks]

(i)   Write 3.875 as an improper fraction.

(ii)   Write 3.875 as a percentage.

5.

The theatre needs new stage curtains.
Jan has been asked to order the fabric for the new curtains.

The total width of fabric needs to be $3\frac{1}{5}$ times the width of the stage front.

Write $3\frac{1}{5}$ as a decimal number.

[1 mark]

Your answer:

City & Guilds

6.

What is $\frac{3}{87}$ as a decimal correct to **three decimal places**?

(1 mark)

Highfield

7.

Which of the following fractions is equivalent to 40%?

$$\frac{40}{1000} \qquad \frac{120}{300} \qquad \frac{4}{20} \qquad \frac{100}{40}$$

Write the answer in the box below.   *(1 mark)*

Answer: _____

8.

Which of the following values is the largest?

$$\frac{850}{1000} \qquad 2\frac{1}{9} \qquad \frac{7}{3} \qquad 2\frac{7}{550}$$

Write the answer in the box below.   *(1 mark)*

Answer: _____

9.

Which of these fractions and mixed numbers is equivalent to 130%?

$$\frac{33}{100} \qquad 1\frac{1}{3} \qquad \frac{33.3}{100} \qquad \frac{13}{10} \qquad \frac{330}{300}$$

Write the answer in the box below. *(1 mark)*

Answer: _____

AQA

10.

Complete the table to show equivalent fractions, decimals and percentages.

[2 marks]

Fraction	Decimal	Percentage
$\frac{3}{8}$		37.5%
	0.15	15%