

End of Unit Test Name: Answers
Fractions, Decimals and Percentages - FOUNDATION



1. (a) Write 30% as a fraction.

.....

Answer $\frac{30}{100}$ or $\frac{3}{10}$ (1)

(b) Write 80% as a decimal.

.....

Answer 0.8 (1)

(c) Circle the **two** values that are equivalent to $\frac{2}{3}$

$\frac{66}{100}$

0.6

60%

$\frac{66}{99}$

0.6

(2)
 (Total 4 marks)

2. Which of $\frac{2}{5}$ or $\frac{5}{8}$ is closer in value to $\frac{1}{2}$? You **must** show your working.

$\frac{1}{2} - \frac{2}{5} = \frac{5}{10} - \frac{4}{10} = \frac{1}{10} \leftarrow \text{smaller.}$
 $\frac{5}{8} - \frac{1}{2} = \frac{5}{8} - \frac{4}{8} = \frac{1}{8}$

Answer $\frac{2}{5}$ (Total 3 marks)

3. A gym has 275 members. 40% are bronze members. 28% are silver members. The rest are gold members. Work out the number of gold members.

$100\% - (40\% + 28\%) = 32\%$
32% of 275
 $10\% = 27.5 \times 3 \rightarrow 82.5$
 $1\% = 2.75 \times 2 \rightarrow 5.5 +$
88.0

Answer 88 (Total 3 marks)

4. Put these in order starting with the smallest value.

$\frac{13}{4}$

$3\frac{1}{2}$

3.15

$\sqrt{9}$

You **must** show your working.

$$13/4 = 3,25 \quad \sqrt{9} = 3$$

Smallest $\sqrt{9}$

$3,15$

$13/4$

Largest $3\frac{1}{2}$

(Total 3 marks)

5. Work out the sale price.

$15\% \text{ of } \pounds 65$

$10\% = 6,50$

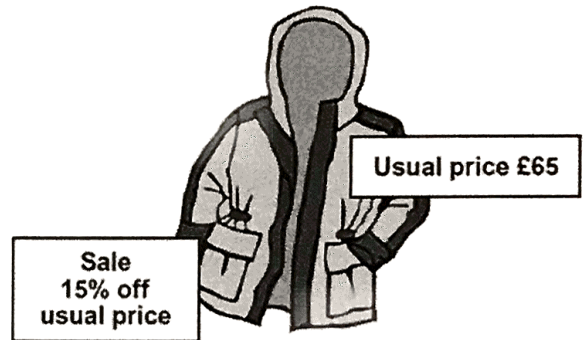
$5\% = 3,25 +$

$9,75$

$\pounds 65 - \pounds 9,75 = \pounds 55,25$

Answer £ $55,25$

(Total 3 marks)



6. 120 men and 80 women were asked if they drive to work. Altogether $\frac{1}{4}$ of the people said yes. $\frac{1}{3}$ of the men said yes. What fraction of the women said yes?

$120 + 80 = 200 \text{ people}$

$\frac{1}{4} \text{ of } 200 = 50 \text{ said yes.}$

$\frac{1}{3} \text{ of } 120 = 40 \text{ men said yes.}$

$50 - 40 = 10 \text{ women said yes.}$

$\frac{10}{80} = \frac{1}{8}$

Answer $\frac{1}{8}$

(Total 4 marks)

(Total for test = 20 marks)