

Y6 Fractions Decimals Percentages

KS2 Y6 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Write $\frac{3}{5}$ percentage and a decimal.

Step 1 · Make the denominator 100: $\times 20$
 $\frac{60}{100}$

Step 2 · Per cent means out of 100
 60%

Step 3 · 60 hundredths
 0.6

Answer: $\frac{3}{5} = 60\% = 0.6$

Check: $\frac{1}{5} = 20\%$, so $\frac{3}{5} = 60\%$ ✓

2. Now try one with the steps

Write 0.35 percentage and fraction in its simplest form.

Step 1 · $0.35 = 35$ hundredths

Step 2 · $\frac{35}{100}$, divide both by 5

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. Write $\frac{1}{4}$ percentage.

2. Write 0.9 percentage.

3. Write 45% decimal.

4. Write $\frac{3}{10}$ percentage.

5. Write 4% decimal.

6. Write $\frac{17}{20}$ percentage.

7. Write 12% fraction in its simplest form.

8. Write 0.125 percentage.

9. Write $\frac{7}{25}$ decimal.

10. Write $\frac{1}{3}$ percentage, to 1 decimal place.

11. Order from smallest to largest: $\frac{3}{4}$, 0.7, 72%

12. Which is the odd one out: $\frac{2}{5}$, 0.4, 4%, 40%?

13. Write 130% decimal.

14. Write $1\frac{1}{4}$ percentage.

15. Fill in the gaps: $0.6 = ?\% = \frac{?}{5}$

4. Before you hand it in

4% = 0.4.

4% = $\frac{4}{100}$ = 0.04. 40% = 0.4.

0.9 = 9%.

$$0.9 = 0.90 = 90/100 = 90\%.$$

1/8 = 8%.

$$\text{Divide: } 1 \div 8 = 0.125 = 12.5\%.$$