

Y5 Percentage Equivalents

KS2 Y5 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: $5 \times 20 = 100$

$$3 \times 20 = 60, \text{ so } 60/100$$

Step 2 · 60 out of 100

60%

Step 3 · 60 hundredths

0.6

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

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

2. Now try one with the steps

Write $\frac{9}{50}$ percentage.

Step 1 · $50 \times 2 = 100$

Answer:

3. Practice

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

1. Write $\frac{1}{2}$ percentage.

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

3. Write $\frac{1}{5}$ decimal.

4. Write $\frac{2}{5}$ percentage.

5. Write $\frac{4}{5}$ decimal.

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

7. Write 75% fraction in its simplest form.

8. Write 0.4 fraction in its simplest form.

9. Write $\frac{11}{25}$ percentage.

10. Write $\frac{13}{20}$ decimal.

11. Write 0.35 fraction in its simplest form.

12. Order from smallest: $\frac{2}{5}$, 0.35, 45%, $\frac{1}{4}$

13. A shop sells $\frac{4}{5}$ of its 100 bunches of flowers. What percentage of the flowers is NOT sold?

14. Halima says $\frac{1}{5} = 15\%$ because 'a fifth is 1 out of 5'. What is $\frac{1}{5}$ percentage?

4. Before you hand it in

Thinking $\frac{1}{5} = 5\%$ or 15% .

Change to hundredths. $5 \times 20 = 100$, so $\frac{1}{5} = \frac{20}{100} = 20\%$.

Writing $\frac{2}{5}$ as 0.25.

$\frac{2}{5} = \frac{4}{10} = 0.4$. The digits of a fraction are not the digits of its decimal.

Thinking $0.8 = 8\%$.

$0.8 = 8 \text{ tenths} = 80 \text{ hundredths} = 80\%$.