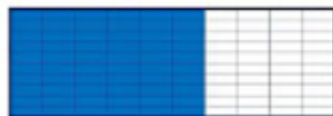


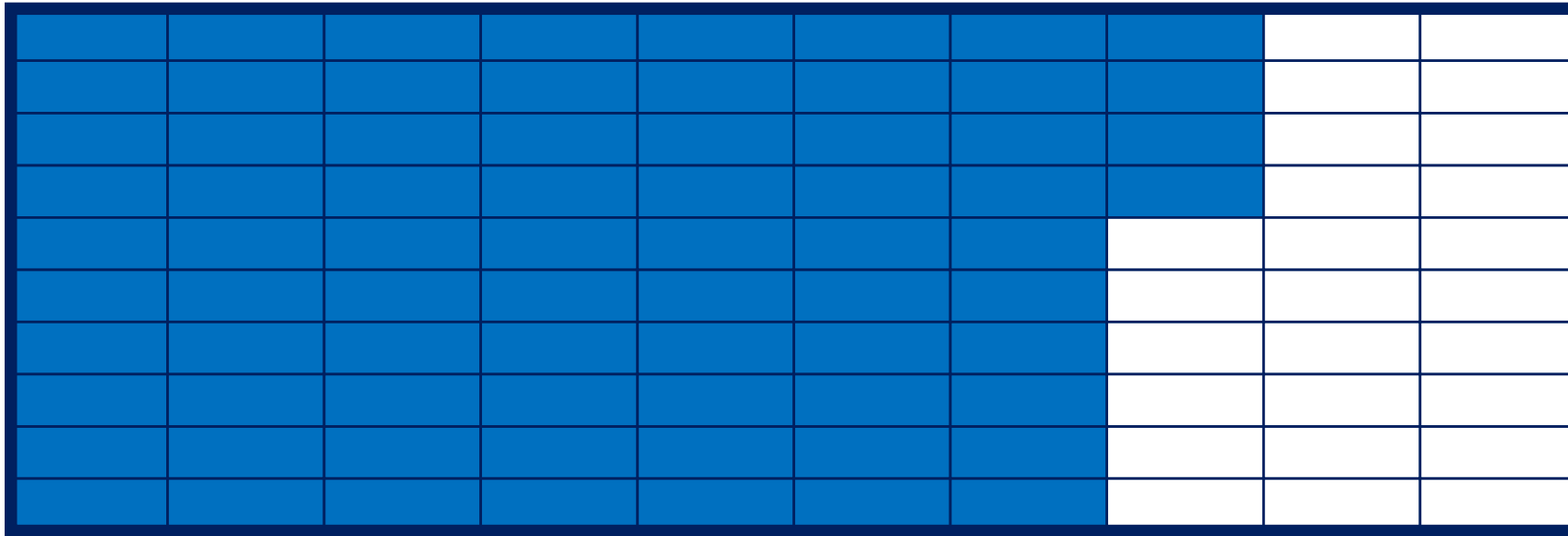
$$\frac{3}{5} \xrightarrow{\times 20} \frac{60}{100} = 60\%$$



7:53

Write fractions and decimals as percentages

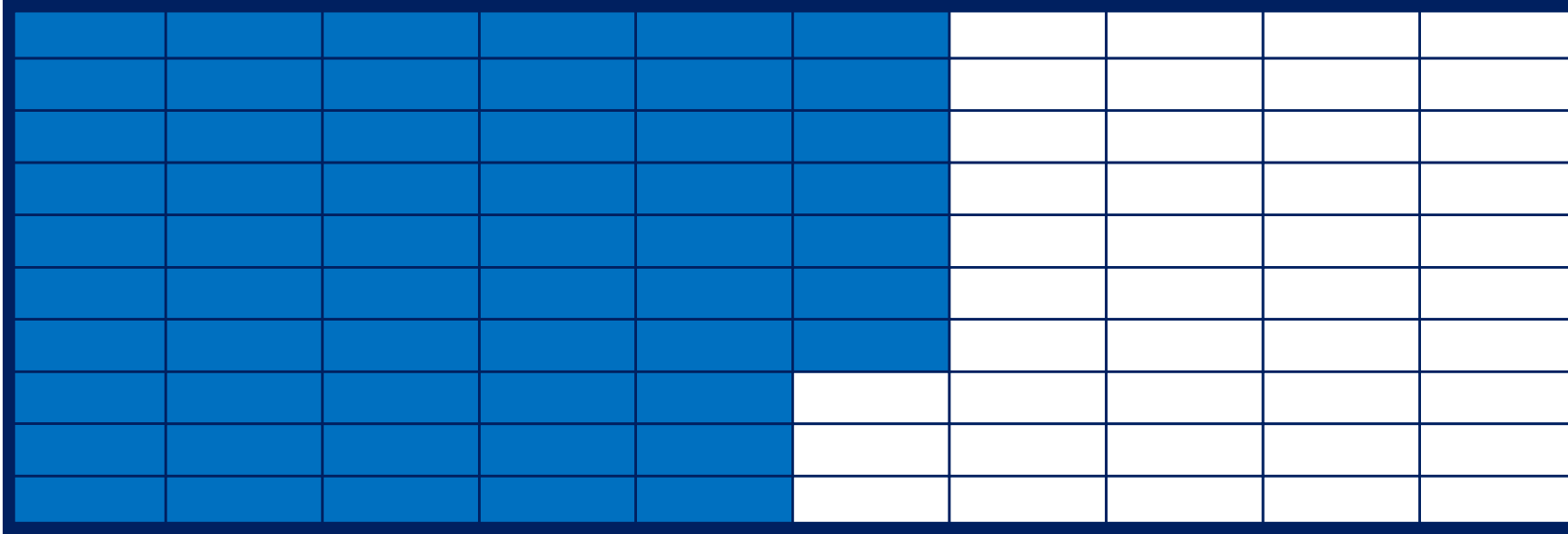
Percentages are fractions with a denominator of 100.  
The symbol for percent is %.



$$\frac{74}{100}$$

0.74

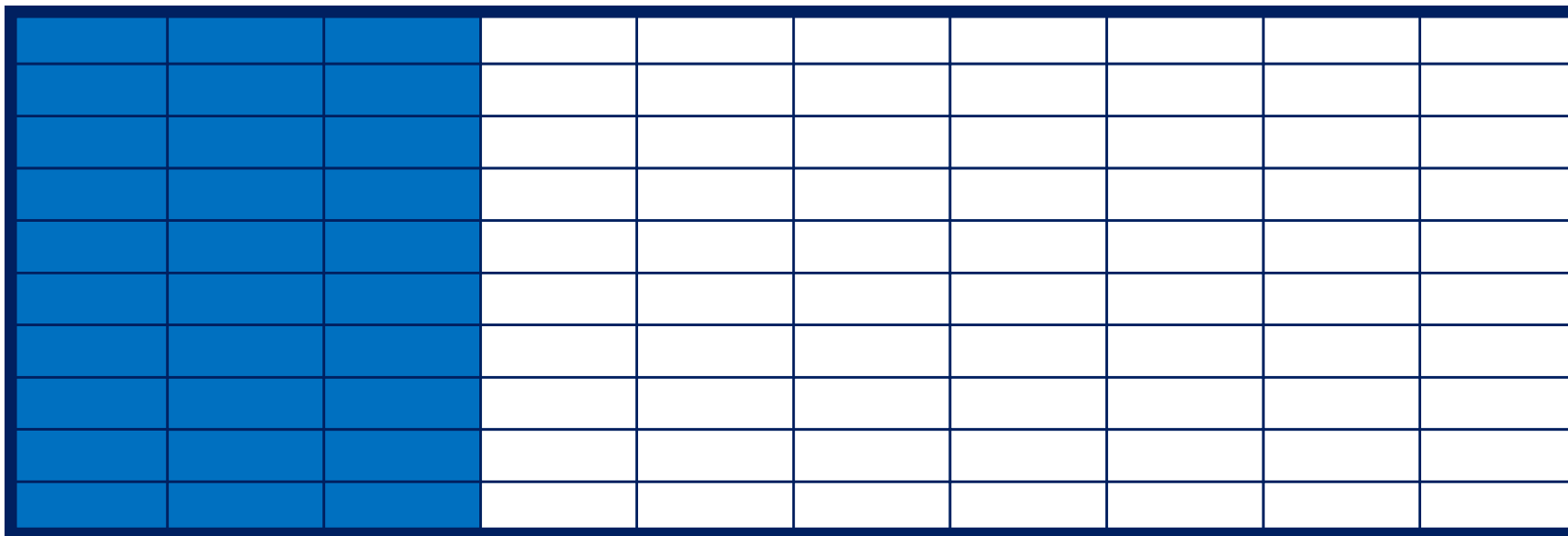
74%



$$\frac{57}{100}$$

0.57

57%



$$\frac{30}{100}$$

0.3

30%

Change these decimals to percentages.

$$0.97 = 97\%$$

$$0.05 = 5\%$$

$$0.61 = 61\%$$

$$0.3 = 30\%$$

$$0.5 = 50\%$$

$$0.09 = 9\%$$

Change these fractions to percentages.

$$\frac{42}{100} = 42\%$$

$$\frac{30}{100} = 30\%$$

$$\frac{3}{100} = 3\%$$

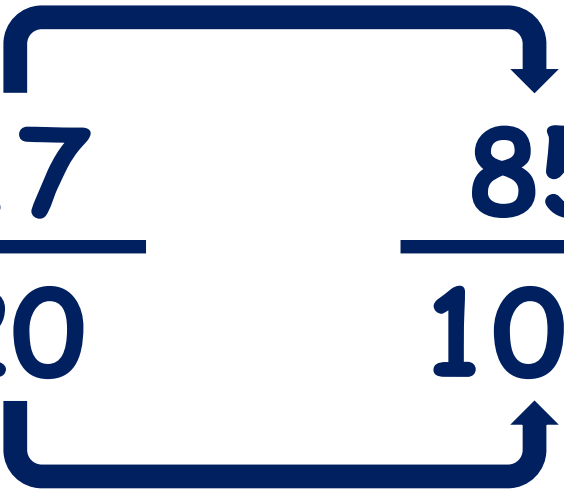
$$\frac{8}{100} = 8\%$$

To express fractions as percentages, change them to equivalent fractions with a denominator of 100.

I got 17 out of 20 on my Maths test.  
What was my score as a percentage? **85%**

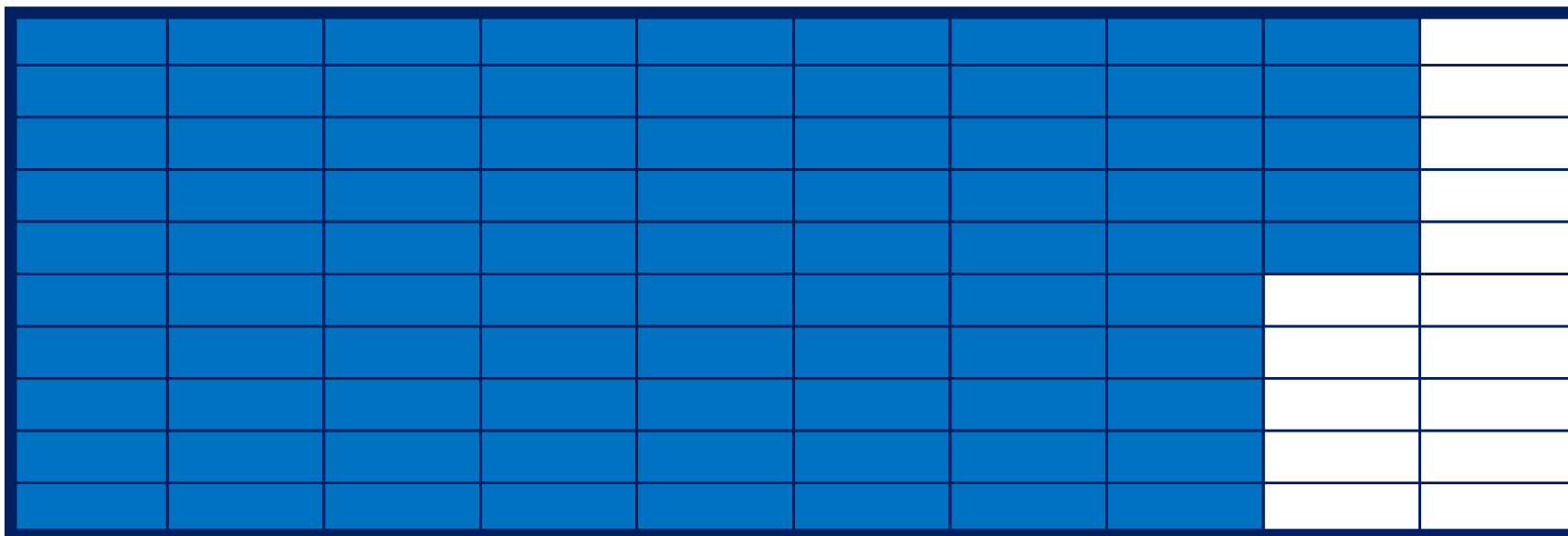
$$\begin{array}{r} 17 \\ \hline 20 \end{array} \quad \begin{array}{r} 85 \\ \hline 100 \end{array}$$

$\times 5$



$$\begin{array}{r} 17 \\ \times 5 \\ \hline 85 \\ \hline 3 \end{array}$$

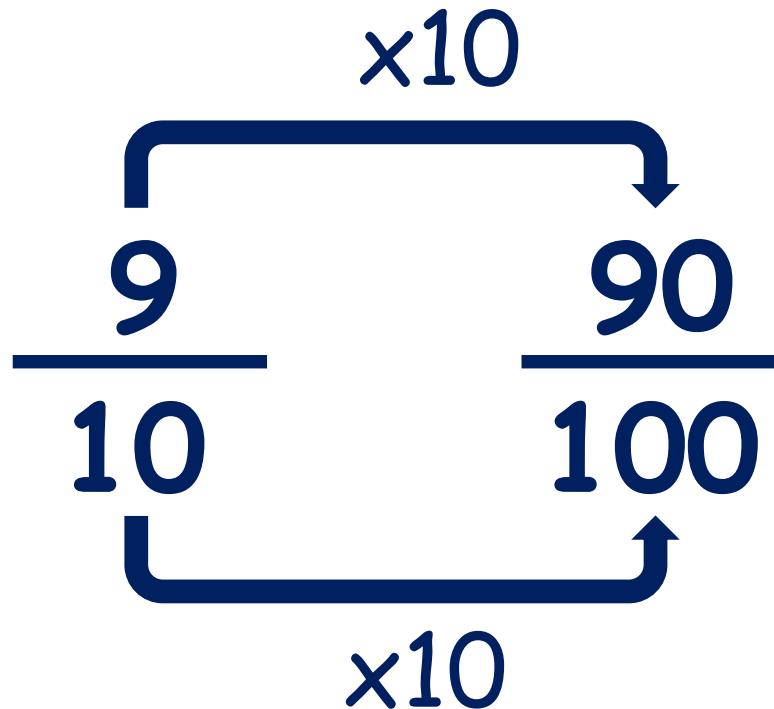
$$\frac{17}{20} \xrightarrow{\times 5} \frac{85}{100} = 85\%$$





To express fractions as percentages, change them to equivalent fractions with a denominator of 100.

I got 9 out of 10 on my Maths test.  
What was my score as a percentage? **90%**



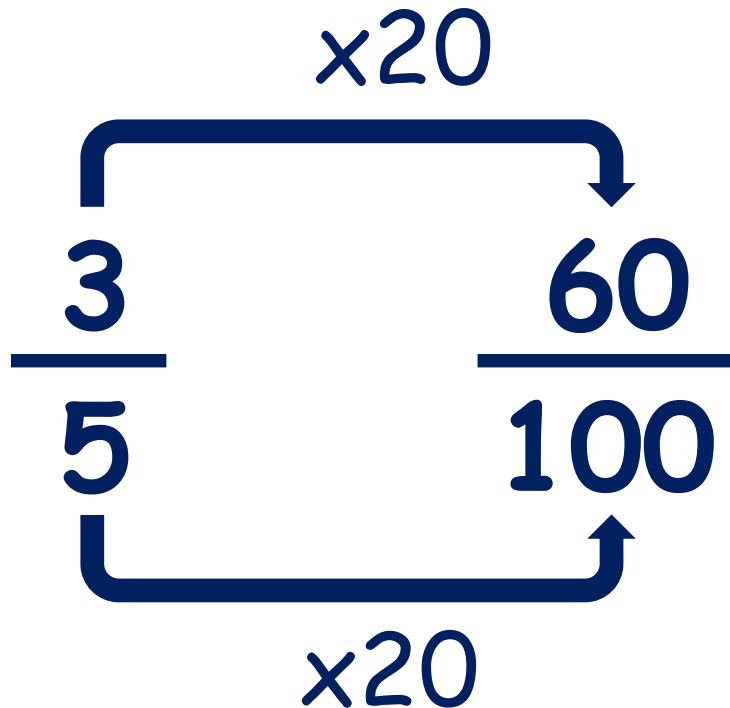
The diagram illustrates the conversion of the fraction  $\frac{9}{10}$  to the percentage 90%. It shows the fraction  $\frac{9}{10}$  on the left and the percentage 90% on the right. A curved arrow labeled "x10" points from the fraction to the percentage, indicating the multiplication step. Another curved arrow labeled "x10" points from the denominator 10 to the denominator 100, showing the scaling of the denominator to a base of 100.

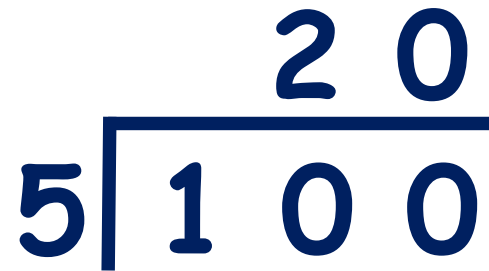
[illegible]

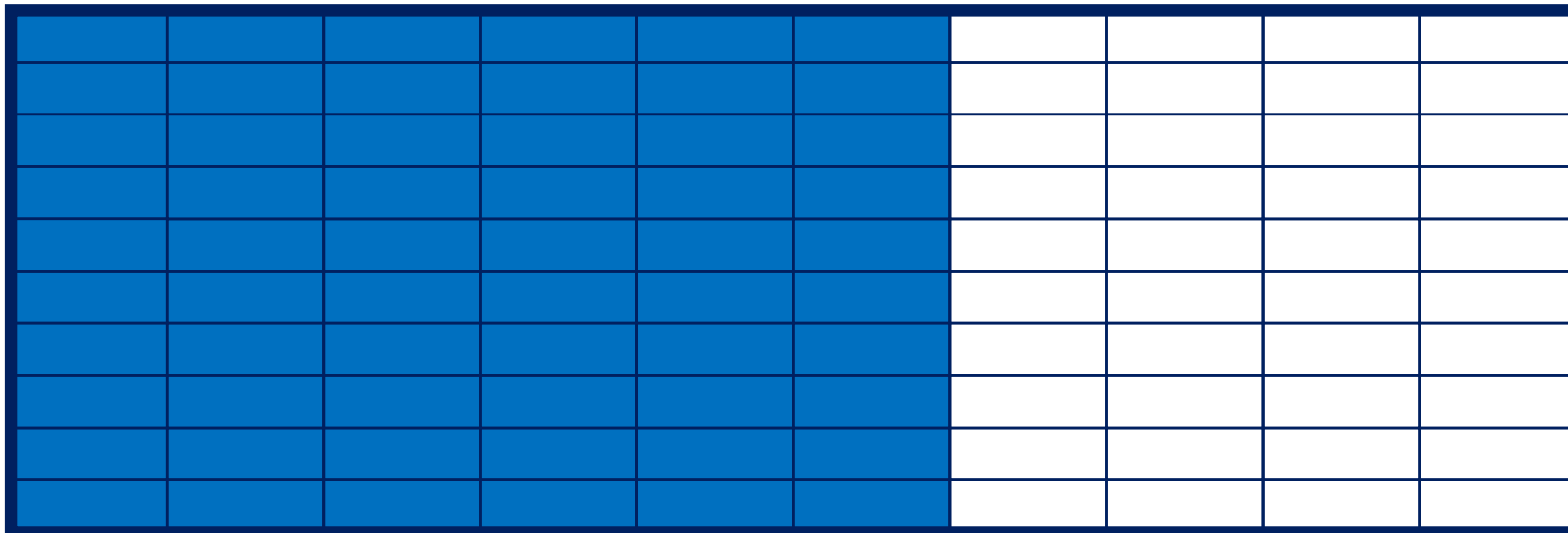
To express fractions as percentages, change them to equivalent fractions with a denominator of 100.

I got 3 out of 5 on my Maths test.

What was my score as a percentage? **60%**

$$\begin{array}{r} \frac{3}{5} \end{array} \xrightarrow{\times 20} \begin{array}{r} \frac{60}{100} \end{array}$$


$$5 \overline{) 100} \begin{array}{r} 20 \\ \hline \end{array}$$




What is  $\frac{1}{4}$  as a percentage? 25%

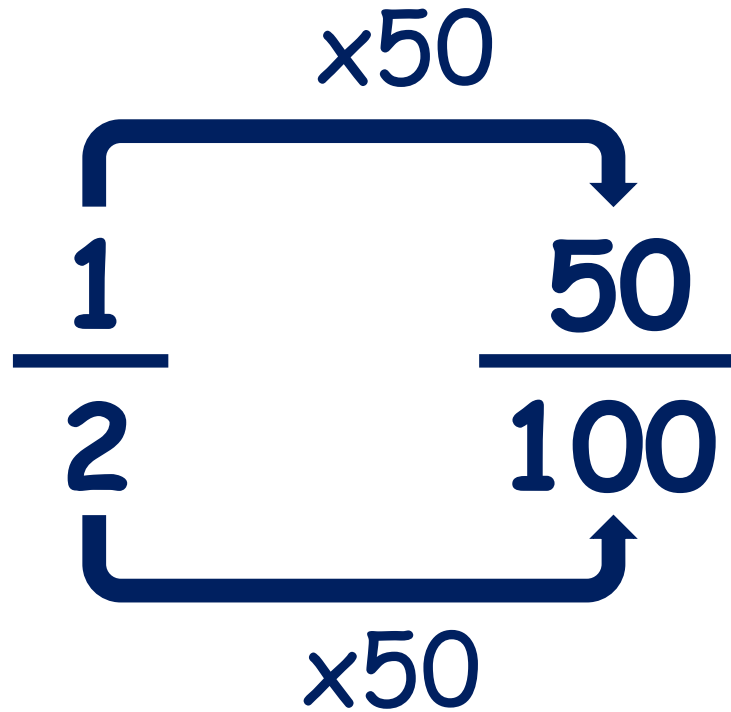
$$\begin{array}{r} \frac{1}{4} \end{array} \xrightarrow{\times 25} \begin{array}{r} \frac{25}{100} \end{array}$$

The diagram shows the fraction  $\frac{1}{4}$  on the left and  $\frac{25}{100}$  on the right. A curved arrow labeled  $\times 25$  points from the numerator 1 to the numerator 25. Another curved arrow labeled  $\times 25$  points from the denominator 4 to the denominator 100.

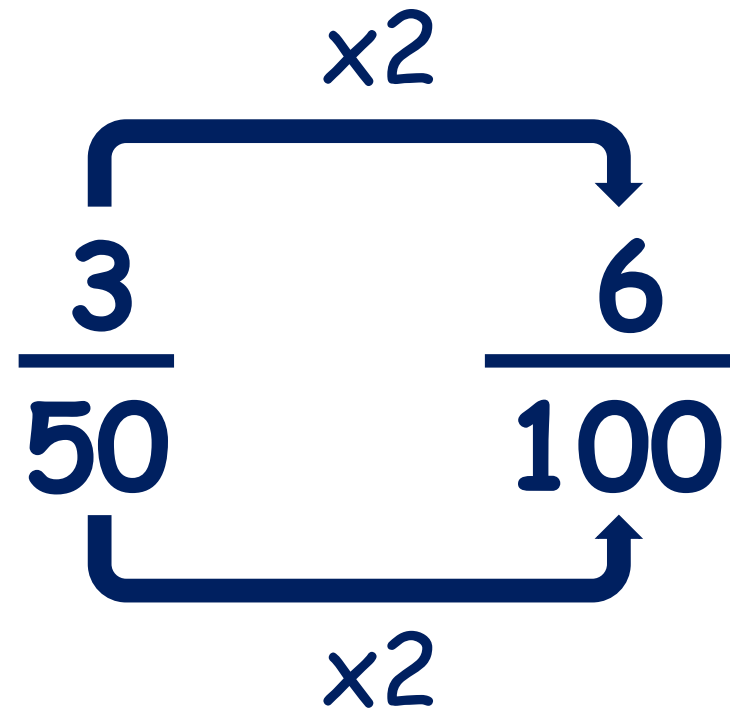
$$\begin{array}{r} 25 \\ 4 \overline{) 100} \end{array}$$

The diagram shows a long division problem. The divisor is 4, and the dividend is 100. The quotient is 25. The division is shown as  $4 \overline{) 100}$  with 25 written above the line.

What is  $\frac{1}{2}$  as a percentage? **50%**



What is  $\frac{3}{50}$  as a percentage? **6%**

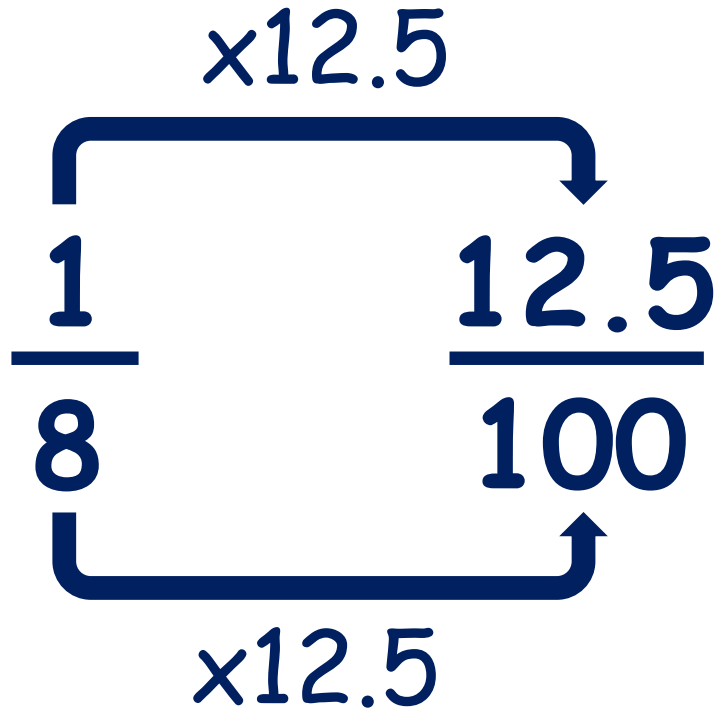


What is  $1/8$  as a percentage? **12.5%**

$$\begin{array}{r} \frac{1}{8} \end{array} \quad \begin{array}{r} \frac{12.5}{100} \end{array}$$

$\times 12.5$

$\times 12.5$



$$\begin{array}{r} 12.5 \\ 8 \overline{) 100.40} \end{array}$$

What is  $1/3$  as a percentage?  $33.\dot{3}\%$

$$\begin{array}{r} 33.\dot{3} \\ 3 \overline{) 100.00} \\ \underline{3} \phantom{00} \\ 70 \phantom{0} \\ \underline{60} \phantom{0} \\ 100 \\ \underline{90} \\ 100 \\ \underline{90} \\ 10 \end{array}$$

$$33.\dot{3}$$