

FRACTIONS TO DECIMALS (2)



GET READY



1) Find the equivalent decimals for these fractions.

$$\frac{35}{50}$$

$$\frac{62}{200}$$

$$\frac{123}{250}$$

$$\frac{467}{2000}$$

2) Find the equivalent fractions for these decimals.

0.41

0.057

0.36

0.75

1) Find the equivalent decimals for these fractions.

$$\frac{35}{50} \longrightarrow \frac{70}{100} \quad 0.7 \qquad \frac{62}{200} \longrightarrow \frac{31}{100} \quad 0.31$$

$$\frac{123}{250} \longrightarrow \frac{492}{1000} \quad 0.492 \qquad \frac{468}{2000} \longrightarrow \frac{234}{1000} \quad 0.234$$

2) Find the equivalent fractions for these decimals.

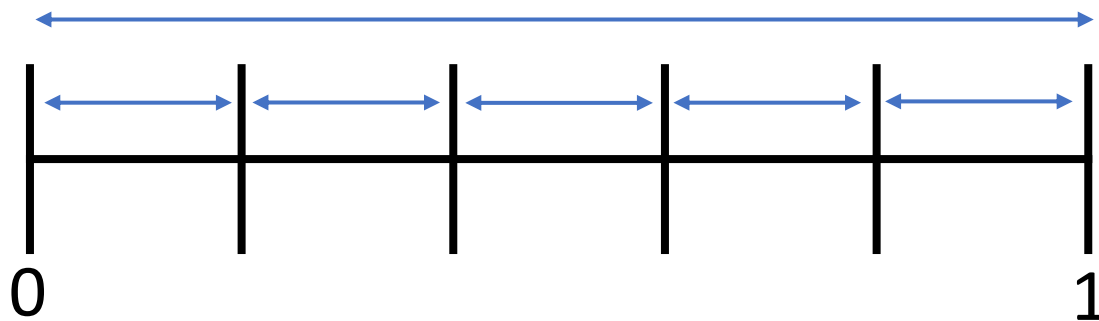
$$0.41 \quad \frac{41}{100} \qquad 0.057 \quad \frac{57}{1000}$$

$$0.36 \quad \frac{36}{100} \quad \frac{18}{50} \quad \frac{9}{25} \qquad 0.75 \quad \frac{75}{100} \quad \frac{3}{4}$$

LET'S LEARN



$$1 \frac{1}{5} 5$$

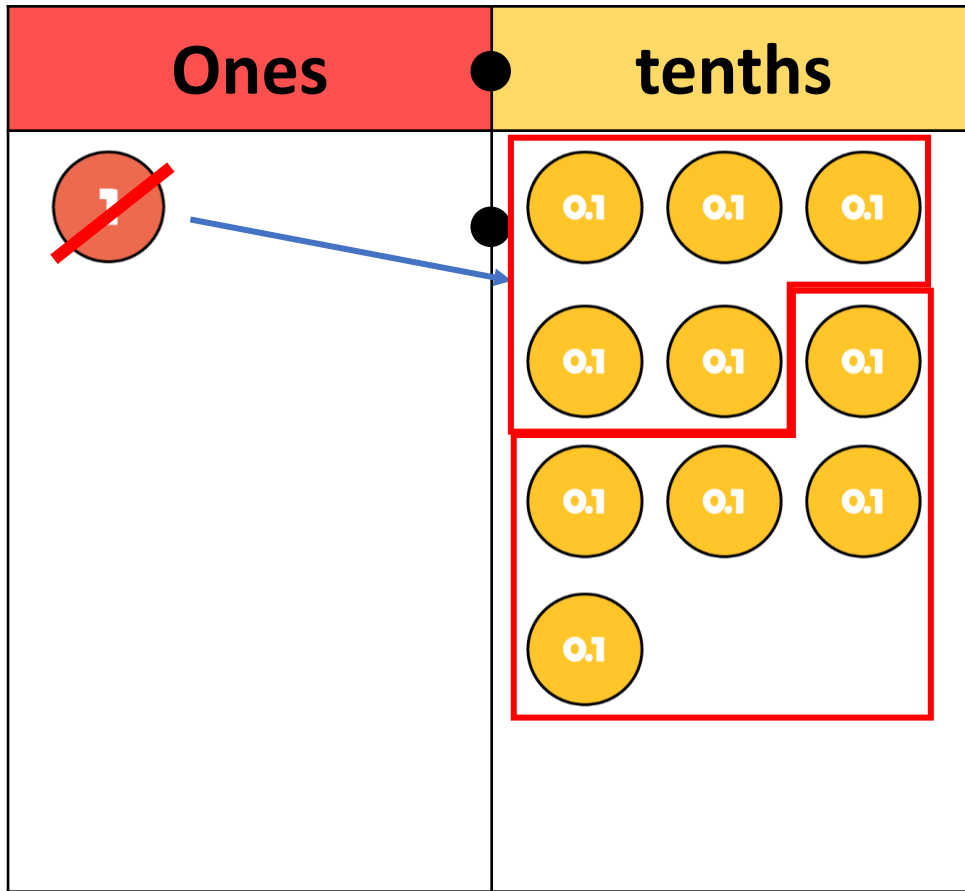


$$\frac{1}{5} = 1 \div 5$$

Fractions can be expressed as divisions

Find the decimal equivalent of $\frac{1}{5}$

$$1 \div 5$$



$$5 \overline{) 1.0} \begin{array}{r} 0.2 \\ \underline{1.0} \end{array}$$

0.2

Find the equivalent decimals for these fractions.

$$\frac{3}{4}$$

$$3 \div 4$$

$$4 \overline{) 3.75} \begin{array}{r} 0.75 \\ \underline{3.0} \\ 30 \\ \underline{28} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

$$0.75$$

$$\frac{3}{8}$$

Have a think



Find the equivalent decimals for these fractions.

$$\frac{3}{4} \qquad 3 \div 4 \qquad 4 \overline{) 3.75} \qquad 0.75$$

$$\frac{3}{8} \qquad 3 \div 8 \qquad 8 \overline{) 3.375} \qquad 0.375$$

YOUR TURN

Have a go at questions
1 - 3 on the worksheet



Find the equivalent decimals for these fractions.

$$\frac{2}{25} \quad 2 \div 25 \quad 25 \overline{) \begin{array}{r} 0.08 \\ 2 \cdot 20 \end{array}} \quad 0.08$$

$$\frac{6}{5} \quad 6 \div 5 \quad 5 \overline{) \begin{array}{r} 1.2 \\ 6 \cdot 10 \end{array}} \quad 1.2$$

$$\frac{1}{9}$$

Have a think



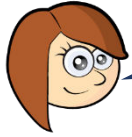
Find the equivalent decimals for these fractions.

$$\frac{2}{25} \quad 2 \div 25 \quad 25 \overline{) \begin{array}{r} 0.08 \\ 2 \cdot 20 \\ \underline{20} \\ 0 \end{array}} \quad 0.08$$

$$\frac{6}{5} \quad 6 \div 5 \quad 5 \overline{) \begin{array}{r} 1.2 \\ 6 \cdot 10 \end{array}} \quad 1.2$$

$$\frac{1}{9} \quad 1 \div 9 \quad 9 \overline{) \begin{array}{r} 0.111 \\ 1 \cdot 10 \\ \underline{10} \\ 0 \end{array}} \quad 0.\dot{1}11111\dots$$

Rosie is thinking of a fraction.



When I convert it to a decimal
it's between 0.3 and 0.34

What fraction could Rosie be thinking of?

0.31

0.311

0.32

0.33

$$\frac{31}{100}$$

$$\frac{311}{1000}$$

$$\frac{\cancel{32}}{\cancel{100}}$$

$$\frac{33}{100}$$

Have a think



YOUR TURN

Have a go at the rest of
the questions on the
worksheet

