

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.

$$\frac{35}{50} \longrightarrow \frac{70}{100} \quad 0.7$$

$$\frac{62}{200} \longrightarrow \frac{31}{100} \quad 0.31$$

$$\frac{123}{250} \longrightarrow \frac{492}{1000} \quad 0.492$$

$$\frac{468}{2000} \longrightarrow \frac{234}{1000} \quad 0.234$$

2) Find the equivalent fractions for these decimals.

$$0.41 \quad \frac{41}{100}$$

$$0.057 \quad \frac{57}{1000}$$

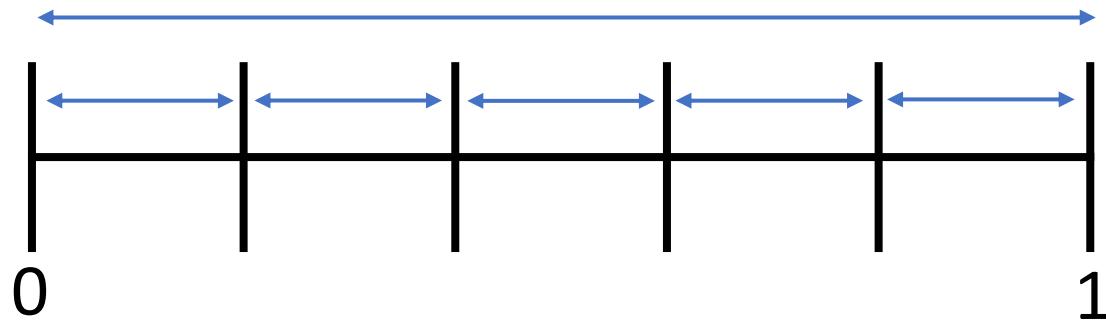
$$0.36 \quad \frac{36}{100} \quad \frac{18}{50} \quad \frac{9}{25} \quad 0.75 \quad \frac{75}{100} \quad \frac{3}{4}$$



LET'S LEARN



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

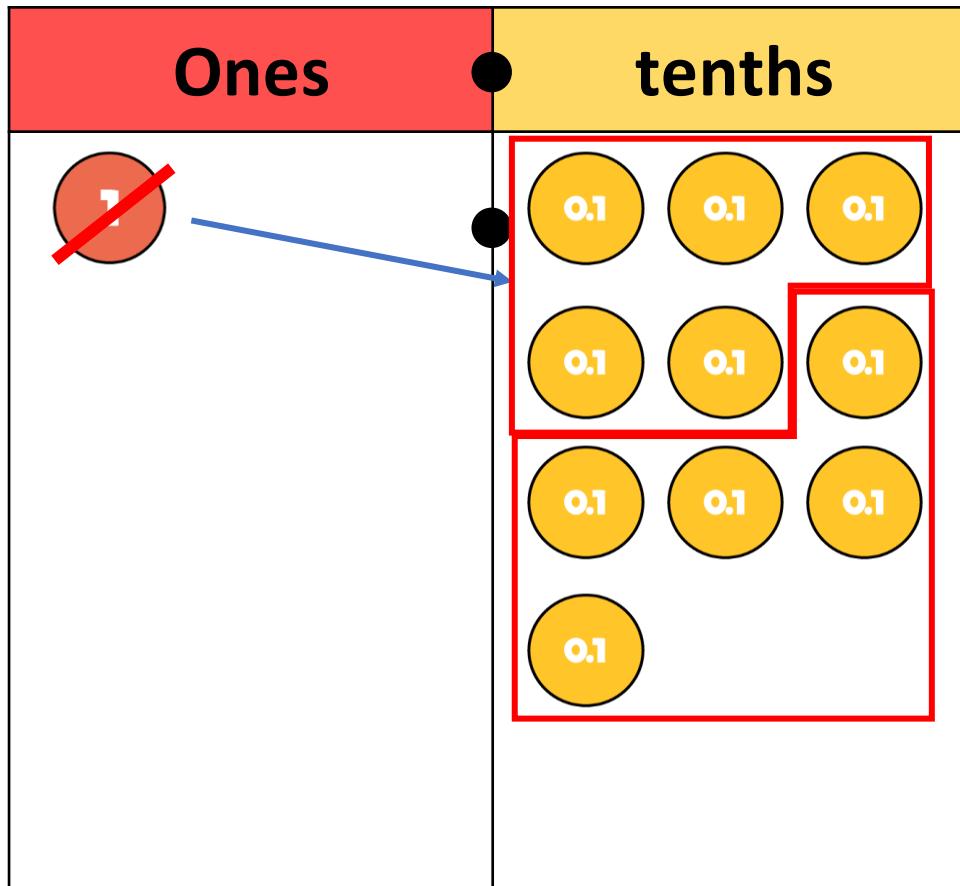


$$\frac{1}{5} = 1 \div 5$$

Fractions can be expressed as divisions

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

$$1 \div 5$$



$$\begin{array}{r} 0 \cdot 2 \\ \hline 5 \overline{)1 \cdot 10} \end{array}$$

0.2

Find the equivalent decimals for these fractions.

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

$$3 \div 4$$

$$4 \overline{)3.75}$$

$$0.75$$

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

Have a think



Find the equivalent decimals for these fractions.

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

$$3 \div 4$$

$$4 \overline{)3.75}$$

3 3
0 0

$$0.75$$

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

$$3 \div 8$$

$$8 \overline{)3.375}$$

3 3
0 6
0 4
0 0

$$0.375$$

YOUR TURN

Have a go at questions
1 - 3 on the worksheet



Find the equivalent decimals for these fractions.

$$\frac{2}{25}$$

$$2 \div 25$$

$$25 \overline{)2.0^{\smash{2}0}0}$$

0.08

$$\frac{6}{5}$$

$$6 \div 5$$

$$5 \overline{)6.1^{\smash{0}}0}$$

1.2

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

Have a think



Find the equivalent decimals for these fractions.

$$\frac{2}{25}$$

$$2 \div 25$$

$$25 \overline{)2.0^{\smash{2}0}0}$$

$$0.08$$

$$\frac{6}{5}$$

$$6 \div 5$$

$$5 \overline{)6.1^{\smash{0}}0}$$

$$1.2$$

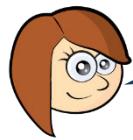
$$\frac{1}{9}$$

$$1 \div 9$$

$$9 \overline{)1.1^{\smash{0}1}0^{\smash{1}0}}$$

$$0.\dot{1}11111\dots$$

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

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

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

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

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

Have a think



YOUR TURN

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

