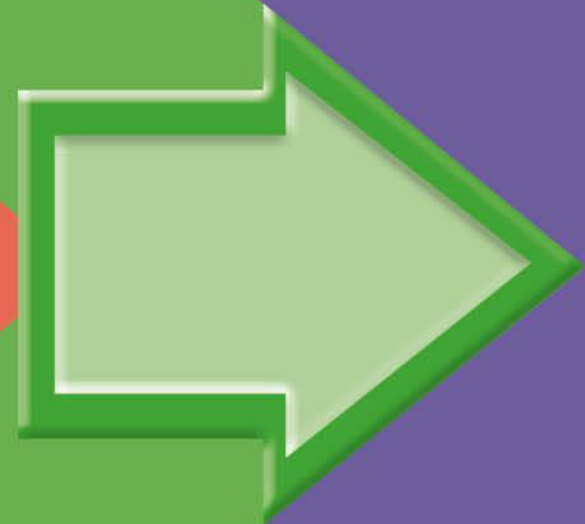


FRACTIONS TO DECIMALS (I)



GET READY



T	O	tth	hth	thth
		0.1 0.1	0.01 0.01 0.01 0.01	0.001 0.001 0.001

1) What number is represented in the place value chart? Write it in words and numerals.

2) Write each decimal as a fraction.

$$0.7 =$$

$$0.73 =$$

$$0.42 =$$

$$0.88 =$$

3) What is the value of the digit 6? 41.986

T	O	tth	hth	thth
		0.1 0.1	0.01 0.01 0.01 0.01	0.001 0.001 0.001

- 1) What number is represented in the place value chart? Write it in words and numerals.

0.243 Two hundred and forty three thousandths

- 2) Write each decimal as a fraction.

$$0.7 = \frac{7}{10}$$

$$0.73 = \frac{73}{100}$$

$$0.42 = \frac{42}{100} = \frac{21}{50}$$

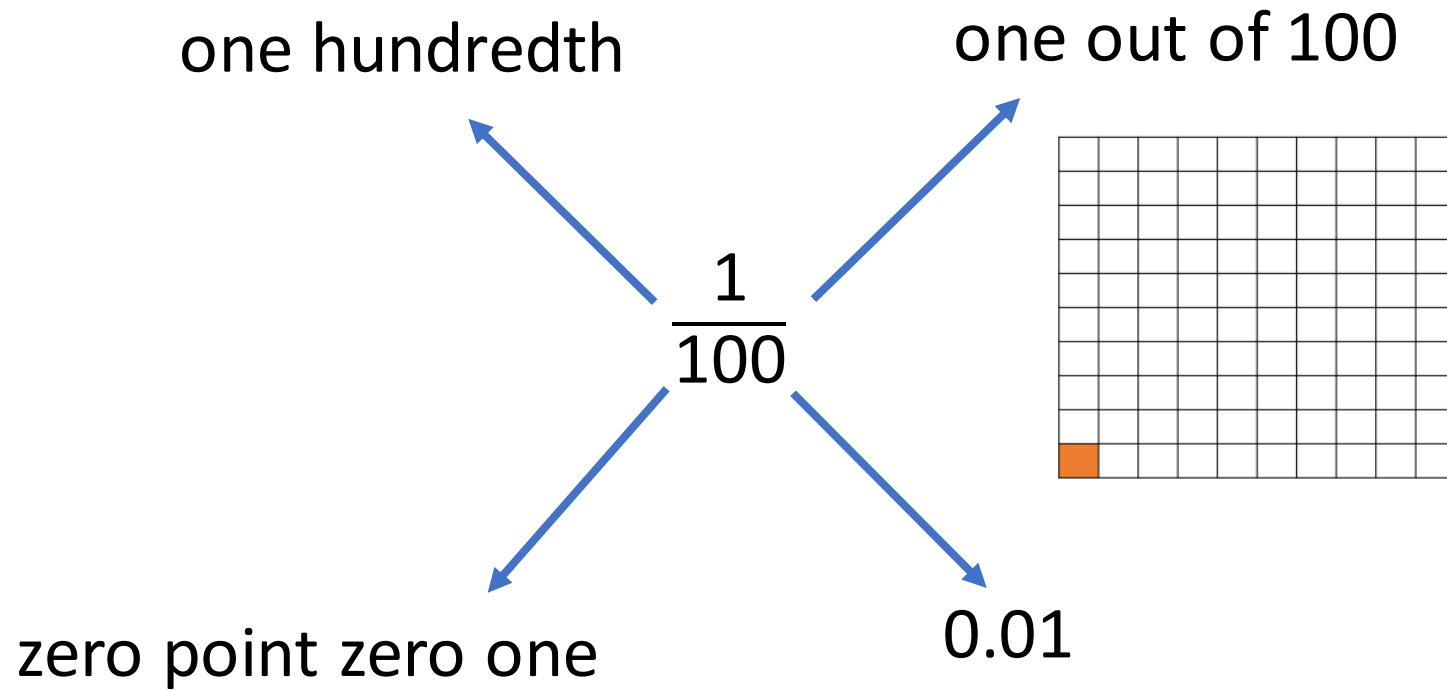
$$0.88 = \frac{88}{100} = \frac{44}{50} = \frac{22}{25}$$

- 3) What is the value of the digit 6? 41.986

6 thousandths

LET'S LEARN

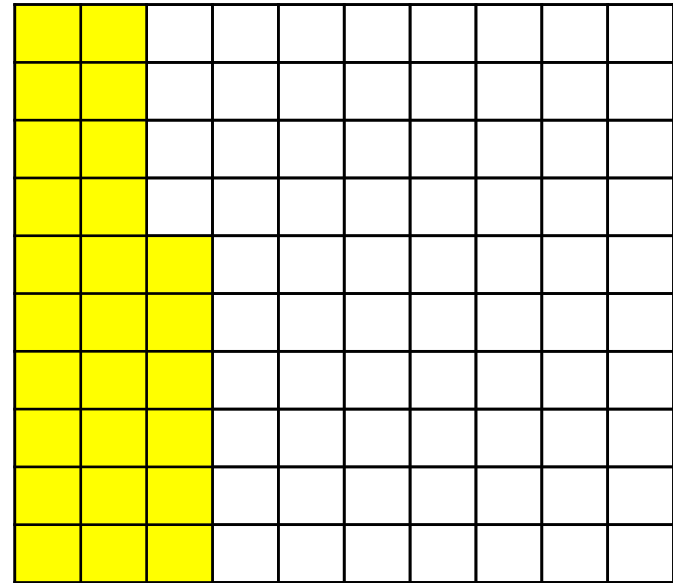




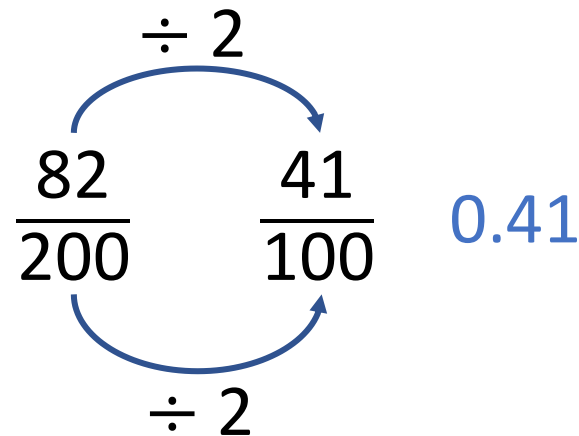
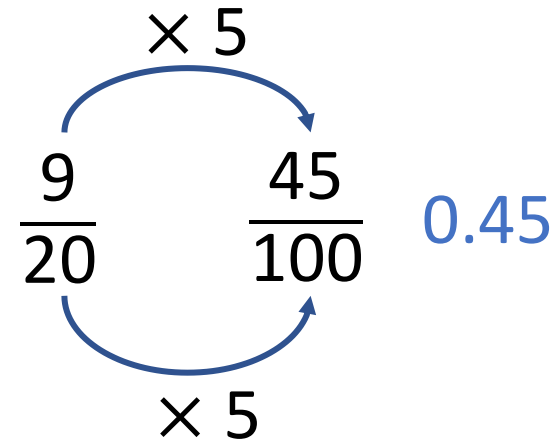
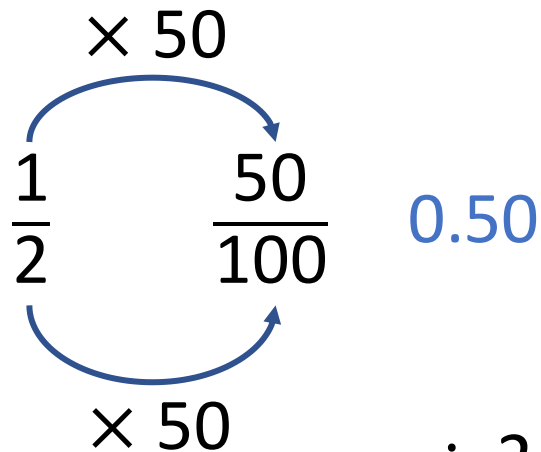
Have a think



The diagram illustrates the conversion of the fraction $\frac{13}{50}$ to $\frac{26}{100}$. It shows the fraction $\frac{13}{50}$ on the left, followed by an equals sign, then $\frac{26}{100}$, followed by another equals sign and the decimal 0.26. Two blue curved arrows connect the two fractions. The top arrow points from 13 to 26 and is labeled $\times 2$. The bottom arrow points from 50 to 100 and is also labeled $\times 2$.



Find the equivalent decimals for these fractions.



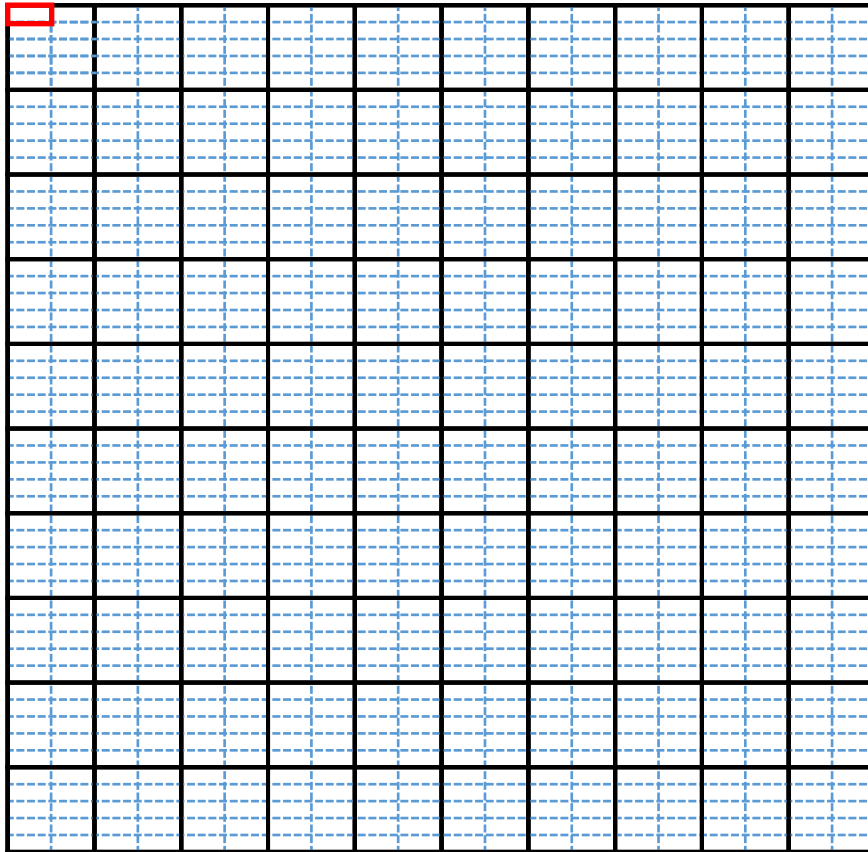
Have a think



YOUR TURN

Have a go at questions
1 - 3 on the worksheet



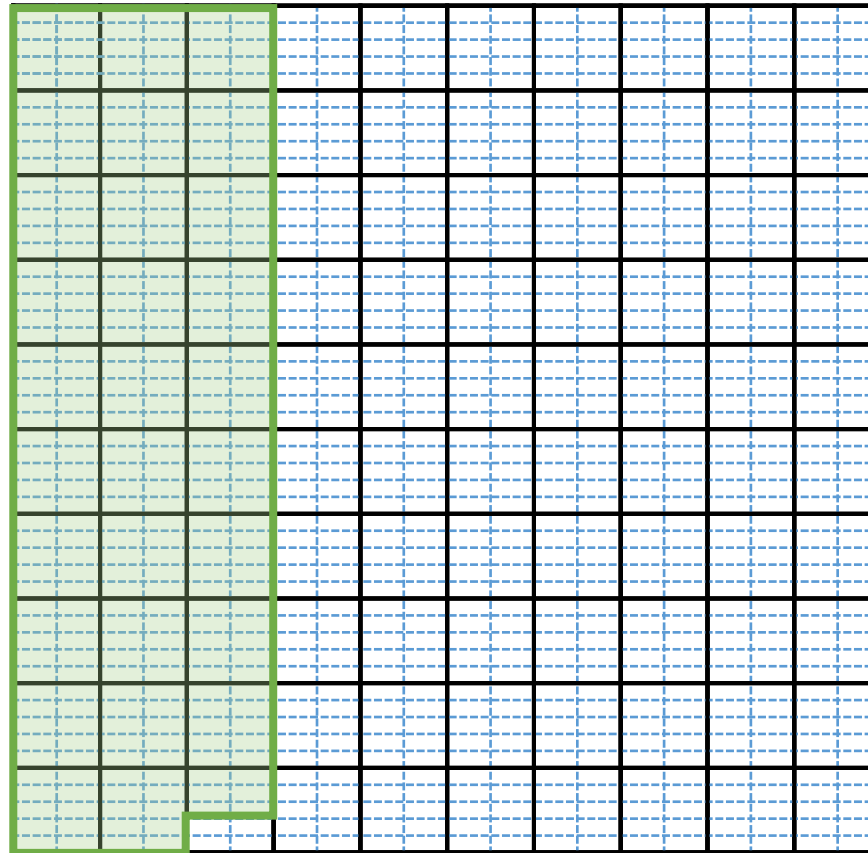


$$\frac{1}{1000} = 0.001$$

What fraction of the square has been shaded?

Write the fraction as a decimal.

$$\frac{296}{1000}$$



0.296

Have a think



Find the equivalent decimals for these fractions.

$$\begin{array}{ccc} & \times 4 & \\ \text{upward arrow} & & \text{downward arrow} \\ \frac{53}{250} & \frac{212}{1000} & 0.212 \\ \text{downward arrow} & & \text{upward arrow} \\ & \times 4 & \end{array}$$

$$\begin{array}{ccc} & \div 2 & \\ \text{upward arrow} & & \text{downward arrow} \\ \frac{118}{2000} & \frac{59}{1000} & 0.059 \\ \text{downward arrow} & & \text{upward arrow} \\ & \div 2 & \end{array}$$

$$\begin{array}{ccc} & \times 2 & \\ \text{upward arrow} & & \text{downward arrow} \\ \frac{81}{500} & \frac{162}{1000} & 0.162 \\ \text{downward arrow} & & \text{upward arrow} \\ & \times 2 & \end{array}$$

Have a think



YOUR TURN

Have a go at question 4 on
the worksheet



$$\frac{1}{10}$$

0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

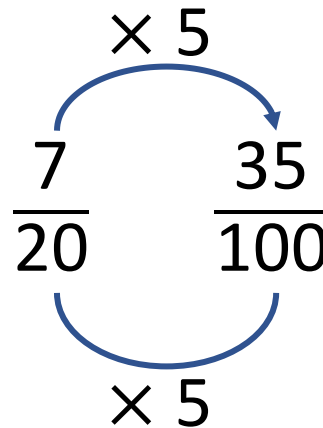
$$\frac{1}{20} \xrightarrow{\times 5} \frac{5}{100} = 0.05$$

$\frac{1}{20} = 0.05$

Find the equivalent decimal for $\frac{7}{20}$

0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05

0.35



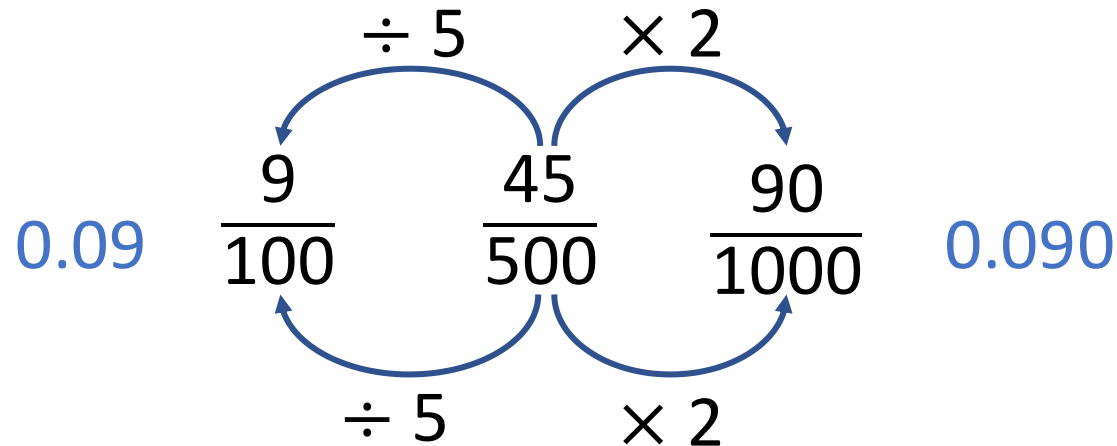
0.35

Have a think



Find the equivalent decimal for $\frac{45}{500}$

Is there more than one way?



Have a think



YOUR TURN

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

