# FRACTIONS TO DECIMALS (I)

White Rose Maths

# GET READY

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| 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? 41.98<u>6</u>

| 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? 41.98$\underline{6}$

6 thousandths

# LET'S LEARN

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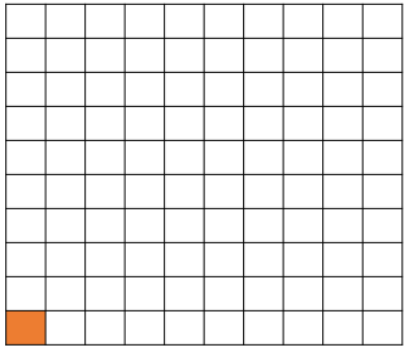
one hundredth

one out of 100

$\frac{1}{100}$



zero point zero one

0.01

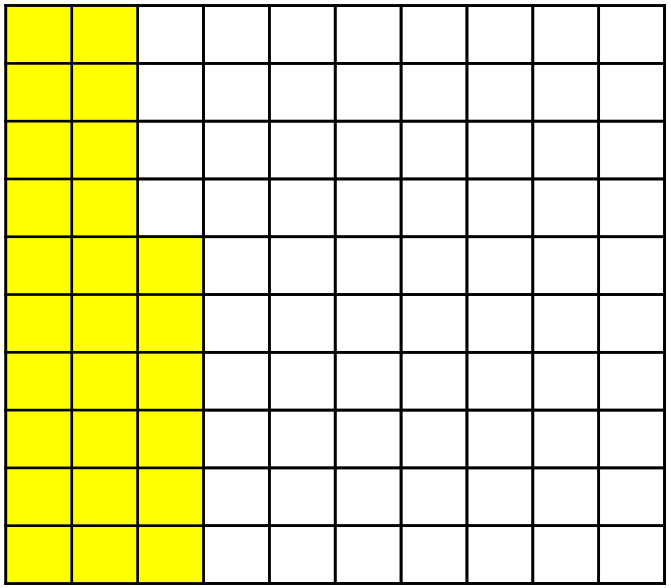
$$\frac{13}{50}$$

Have a think

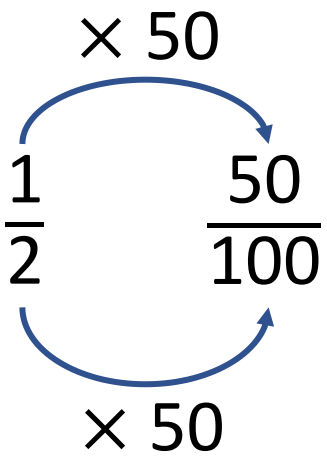
Is this 0.13 as a decimal?

$$0.13 = \frac{13}{100}$$

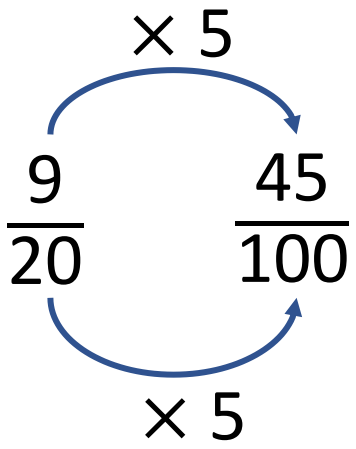
$$\frac{13}{50} \overset{\times 2}{=} \frac{26}{100} = 0.26$$



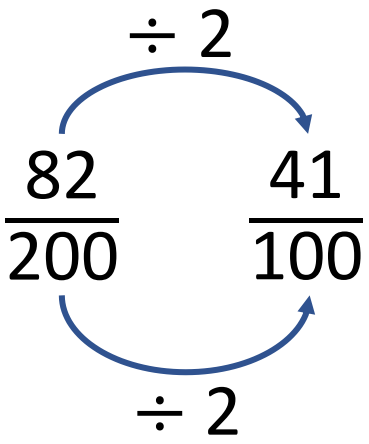
Find the equivalent decimals for these fractions.




0.50




0.45




0.41

Have a think

# YOUR TURN

Have a go at questions
1 - 3 on the worksheet

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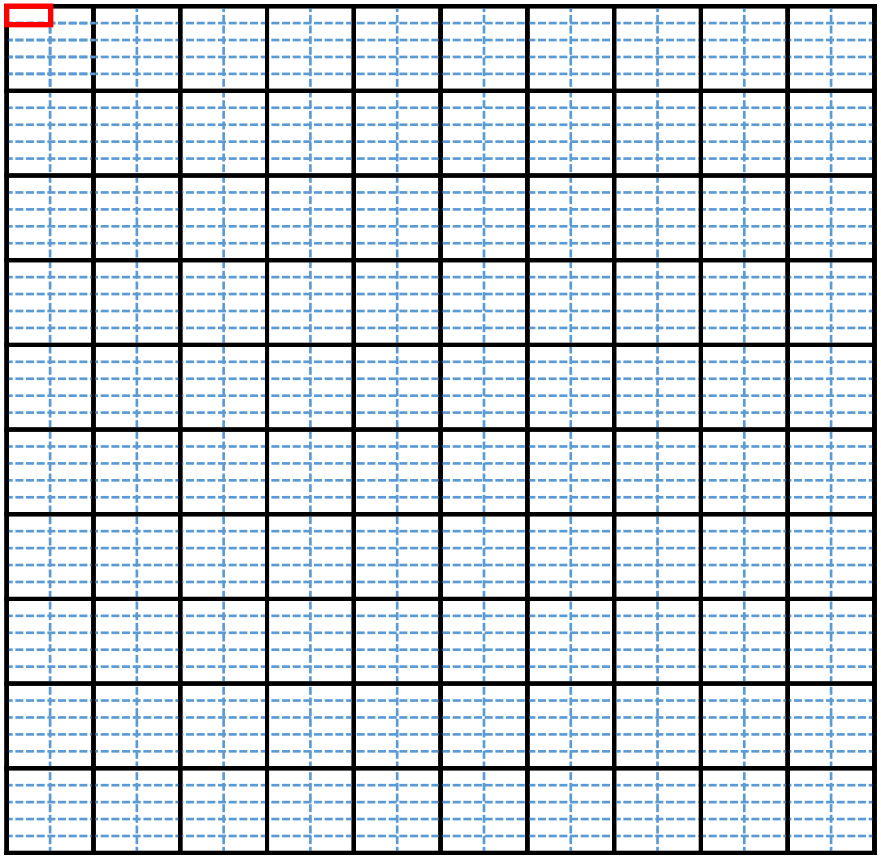
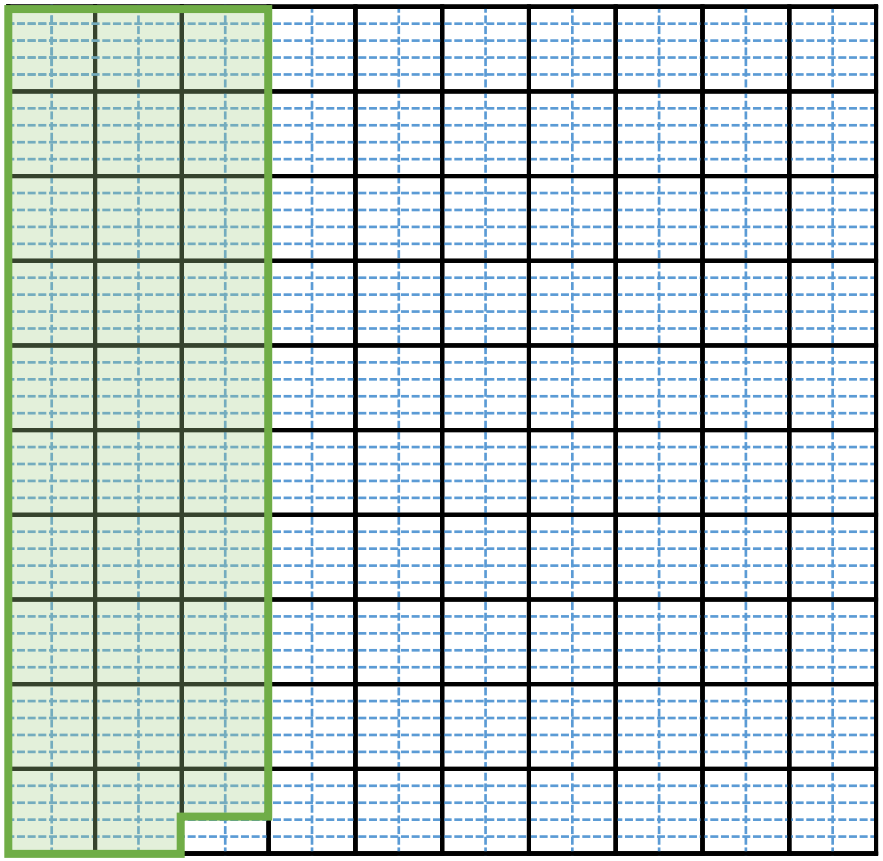


$$\frac{1}{1000} = 0.001$$

What fraction of the square has been shaded?

Write the fraction as a decimal.

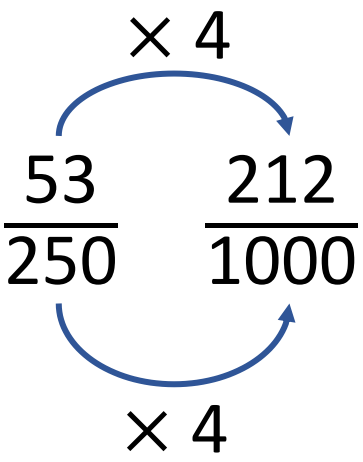


$\frac{296}{1000}$

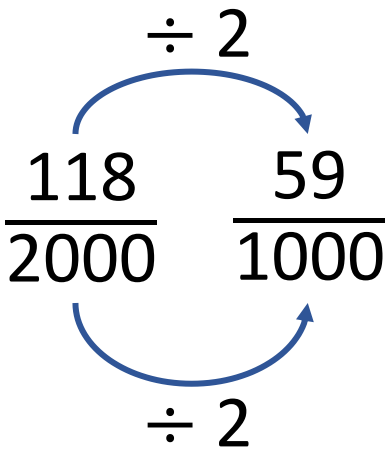
0.296

Have a think

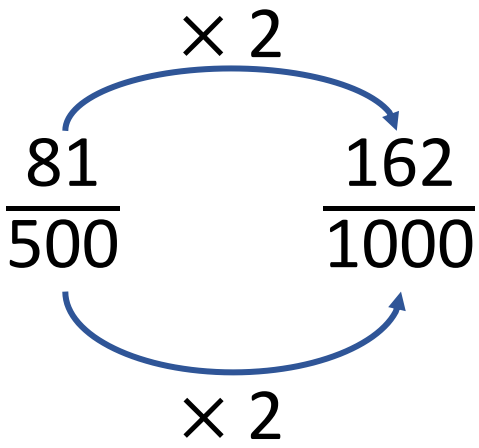
Find the equivalent decimals for these fractions.




0.212




0.059




0.162

Have a think

# YOUR TURN

Have a go at question 4 on the worksheet

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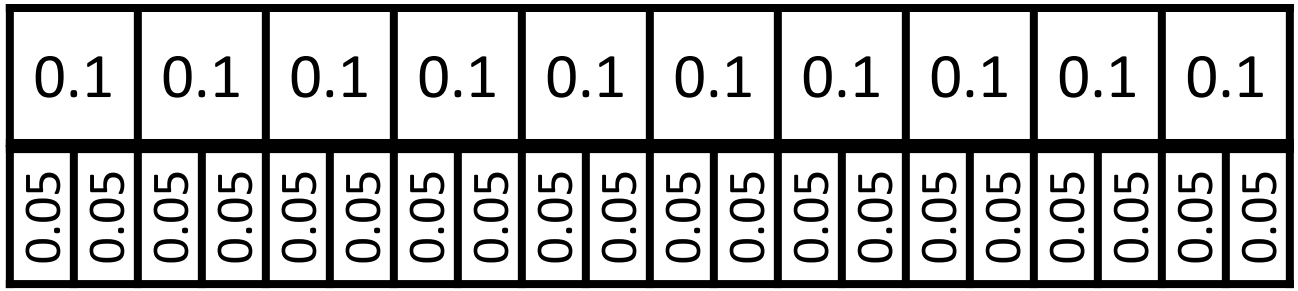
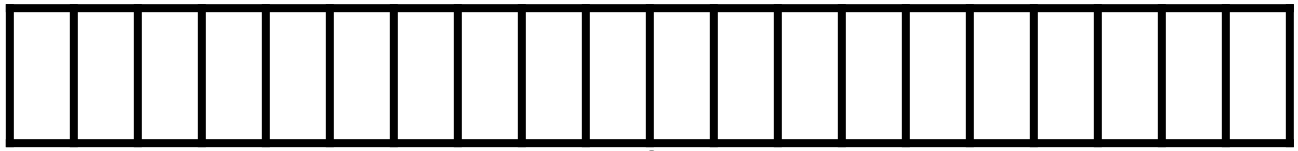
$\frac{1}{10}$



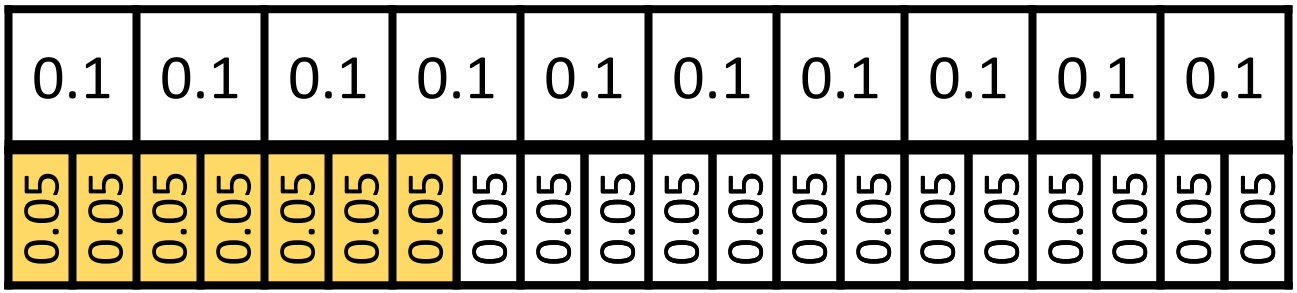
$\frac{1}{20} = 0.05$

$\times 5$

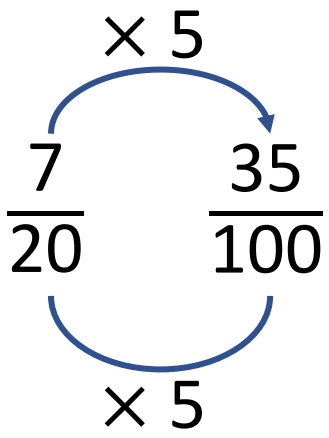
$\frac{1}{20}$ $\frac{5}{100}$ 0.05

$\times 5$

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




0.35

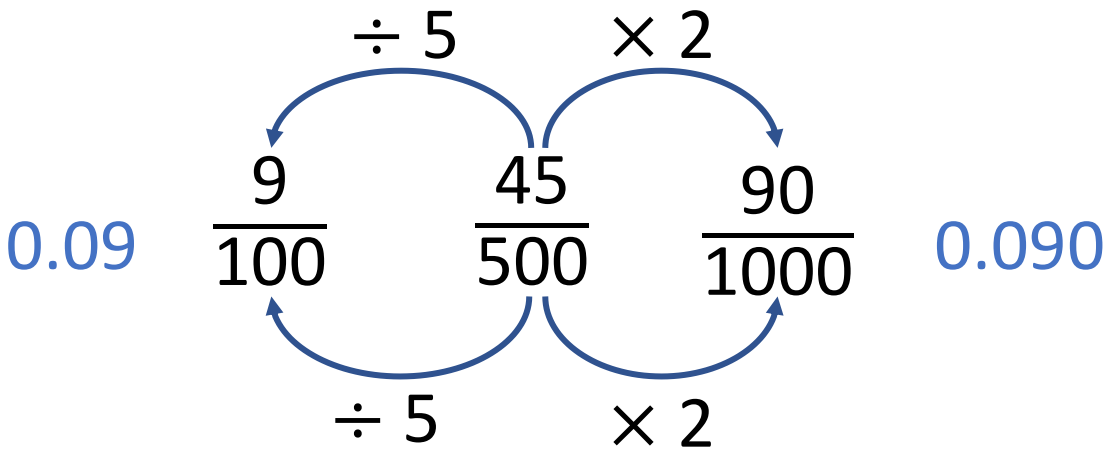



0.35

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

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