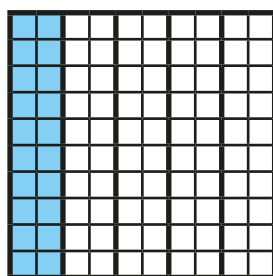


# Convert between fractions and decimals – fifths and quarters

1 Use the diagrams to help you complete the statements.

a)

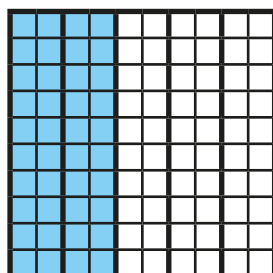


$$\frac{1}{5} = \frac{\boxed{\phantom{00}}}{10}$$

$$\frac{1}{5} = \frac{\boxed{\phantom{00}}}{100}$$

$$\frac{1}{5} = 0.\_$$

b)

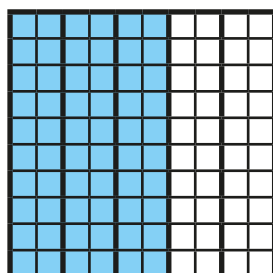


$$\frac{\boxed{\phantom{00}}}{5} = \frac{\boxed{\phantom{00}}}{10}$$

$$\frac{\boxed{\phantom{00}}}{5} = \frac{\boxed{\phantom{00}}}{100}$$

$$\frac{\boxed{\phantom{00}}}{5} = 0.\_$$

c)



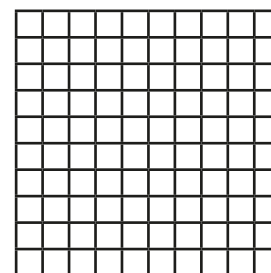
$$\frac{\boxed{\phantom{00}}}{5} = \frac{\boxed{\phantom{00}}}{10}$$

$$\frac{\boxed{\phantom{00}}}{5} = \frac{\boxed{\phantom{00}}}{100}$$

$$\frac{\boxed{\phantom{00}}}{5} = 0.\_$$

2 Use a hundred square to help you complete the statement.

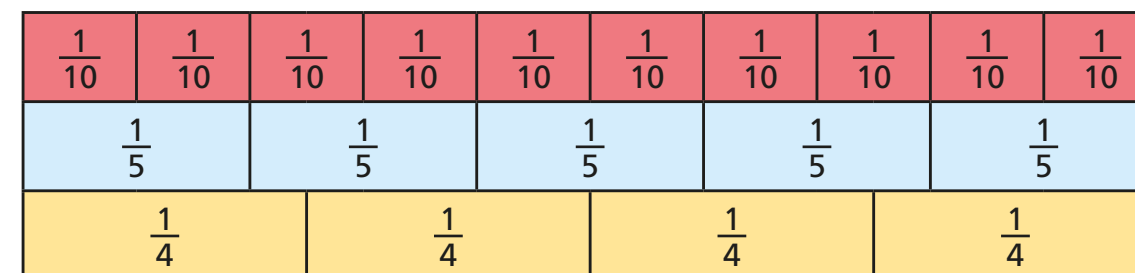
$$\text{a) } \frac{1}{4} = \frac{\boxed{\phantom{00}}}{100} = 0.\_ \_$$



b) Use your answer to part a) to help you to complete the statement.

$$\frac{3}{4} = \frac{\boxed{\phantom{00}}}{100} = \boxed{\phantom{00}}$$

3 Use the fraction wall to help you complete the statements.



$$\text{a) } \frac{4}{5} = \frac{\boxed{\phantom{00}}}{10} = 0.\_$$

$$\text{d) } \frac{3}{10} \bigcirc \frac{2}{5}$$

$$\text{b) } \frac{6}{10} = \frac{\boxed{\phantom{00}}}{5} = 0.\_$$

$$\text{e) } \frac{4}{5} \bigcirc \frac{1}{4}$$

$$\text{c) } \frac{2}{4} = \frac{\boxed{\phantom{00}}}{10} = 0.\_$$

$$\text{f) } \frac{10}{10} \bigcirc \frac{4}{4}$$

4 Which is greater,  $\frac{3}{4}$  or  $\frac{4}{5}$ ? Explain how you know.

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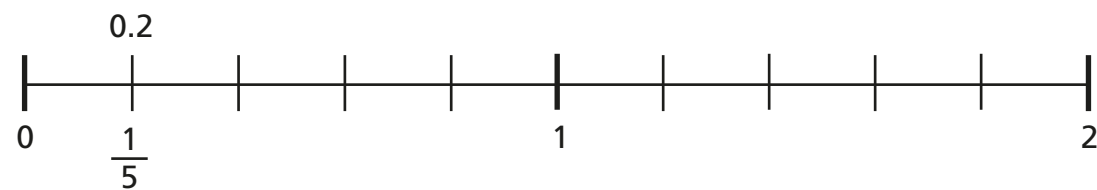
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5 Fill in the missing numbers.

Use the number line to help you.



- a)  $\frac{6}{5} = 1.\underline{\quad}$       c)  $0.8 = \frac{\boxed{\quad}}{5}$
- b)  $\frac{9}{5} = \underline{\quad}.\underline{\quad}$       d)  $1.6 = \frac{\boxed{\quad}}{5}$

6 Which is greater,  $15\frac{3}{4}$  or  $15\frac{7}{10}$ ?

Explain how you know.

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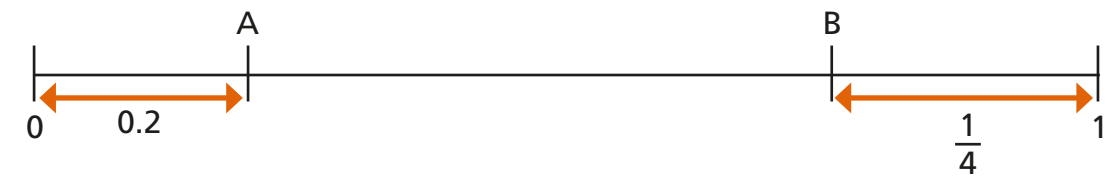


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7 Here is a number line from 0 to 1



a) Write a fraction with a denominator of 10, which could go after B on the number line.

b) Write a fraction with a denominator of 100, which could go before A on the number line.

c) Write three fractions that could be in between A and B on the number line.

Compare answers with a partner.

8 Tick the expressions that are equivalent to four-fifths of  $x$ .

$x + \frac{4}{5}$  ☐

$0.4x$  ☐

$\frac{4x}{5}$  ☐

$0.8x$  ☐

$x - \frac{4}{5}$  ☐

$0.45x$  ☐

Talk about your answers with a partner.