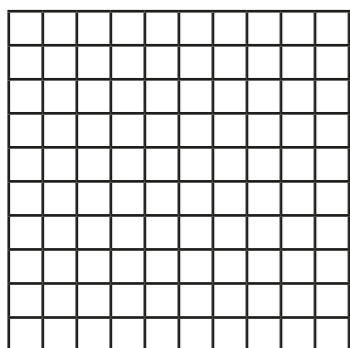
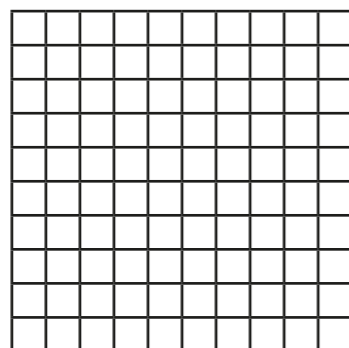


# Convert between fractions and decimals – tenths and hundredths

- 1 a) Shade  $\frac{2}{10}$  of the hundred square.



- b) Shade  $\frac{20}{100}$  of the hundred square.



- c) Complete the equivalent fractions.

$$\frac{2}{10} = \frac{\boxed{\phantom{00}}}{100}$$

$$0.2 = \frac{\boxed{\phantom{00}}}{10}$$

$$0.2 = \frac{\boxed{\phantom{00}}}{100}$$

- 2 Complete the statements.

a)  $\frac{8}{10} = \frac{\boxed{\phantom{00}}}{100}$

d)  $\frac{17}{100} = 0.\_\_\_\_\_\_$

b)  $\frac{70}{100} = \frac{\boxed{\phantom{00}}}{10}$

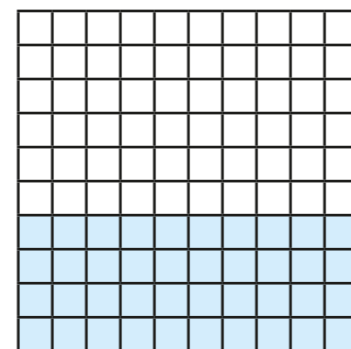
e)  $0.37 = \frac{\boxed{\phantom{00}}}{100}$

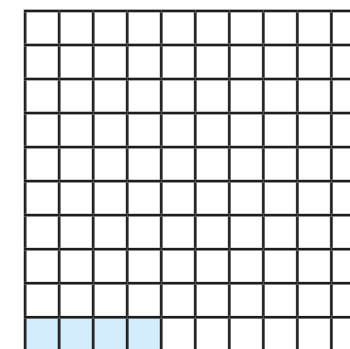
c)  $0.5 = \frac{\boxed{\phantom{00}}}{10}$

f)  $0.03 = \frac{\boxed{\phantom{00}}}{100}$

- 3 Part of a grid is shaded.

- a) What fraction of each grid is shaded?






- b) Use your answers to part a) to explain why 0.4 is greater than 0.04

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- 4 Write <, > or = to complete the statements.

a)  $0.6 \bigcirc \frac{6}{100}$

d)  $0.79 \bigcirc \frac{79}{100}$

b)  $\frac{9}{10} \bigcirc 0.9$

e)  $\frac{15}{100} \bigcirc 0.2$

c)  $0.7 \bigcirc \frac{70}{10}$

f)  $\frac{29}{100} \bigcirc \frac{3}{10}$

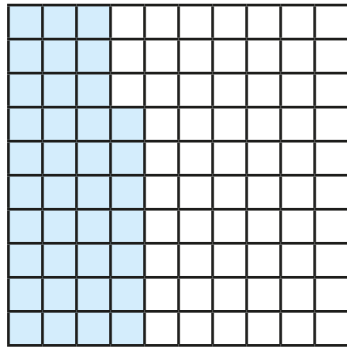
- 5 Continue the linear sequences.

a)  $\frac{1}{10}, \frac{11}{100}, \frac{12}{100}, \boxed{\phantom{00}}, \boxed{\phantom{00}}, \boxed{\phantom{00}}$

b)  $\frac{35}{100}, \frac{5}{10}, \frac{65}{100}, \boxed{\phantom{00}}, \boxed{\phantom{00}}, \boxed{\phantom{00}}$

c)  $\frac{4}{10}, 0.29, \boxed{\phantom{00}}, \boxed{\phantom{00}}, \boxed{\phantom{00}}$

6



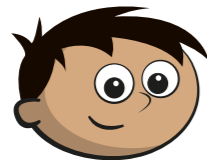
Use the diagram to explain why  $\frac{37}{100} = \frac{3}{10} + \frac{7}{100}$

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7



There are no tenths  
in  $\frac{42}{100}$  because the  
denominator is 100, not 10

Explain to a partner why Amir is not correct.

You can use a hundred square to help you.

8

a) Write a digit to make the statement correct.

$$\frac{37}{100} < 0.\_9$$

b) Is there more than one possible answer? Record all the possibilities.

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9

Complete the calculations.

You may use a hundred square to help you.

Give your answers as fractions.

a)  $\frac{3}{10} - \frac{20}{100} = \frac{\boxed{\phantom{00}}}{10}$

b)  $1 - \frac{91}{100} = \boxed{\phantom{00}}$

c)  $\frac{5}{10} - 0.17 = \boxed{\phantom{00}}$

10

Complete the number sentence in three different ways.

$$\frac{49}{100} + \frac{\boxed{\phantom{00}}}{10} + 0.3 + 0.\_ = 2$$

$$\frac{49}{100} + \frac{\boxed{\phantom{00}}}{10} + 0.3 + 0.\_ = 2$$

$$\frac{49}{100} + \frac{\boxed{\phantom{00}}}{10} + 0.3 + 0.\_ = 2$$

Compare answers with a partner.

Can you find another way?

