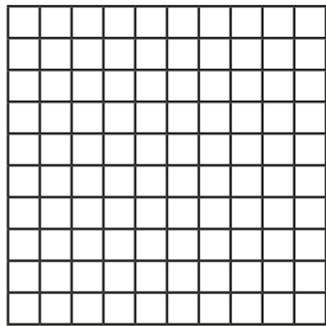
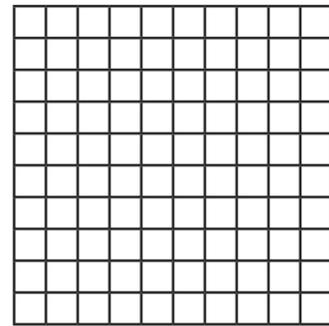


Convert between fractions and decimals – tenths and hundredths

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



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



c) Complete the equivalent fractions.

$$\frac{2}{10} = \frac{\square}{100}$$

$$0.2 = \frac{\square}{10}$$

$$0.2 = \frac{\square}{100}$$

2 Complete the statements.

a) $\frac{8}{10} = \frac{\square}{100}$

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

b) $\frac{70}{100} = \frac{\square}{10}$

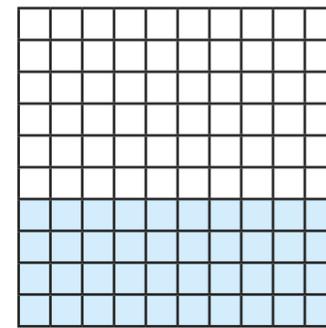
e) $0.37 = \frac{\square}{100}$

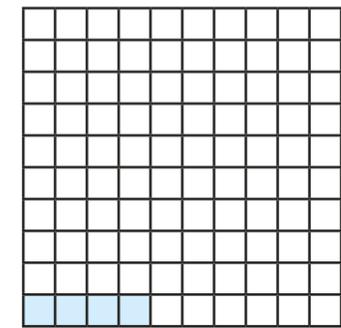
c) $0.5 = \frac{\square}{10}$

f) $0.03 = \frac{\square}{100}$

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

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

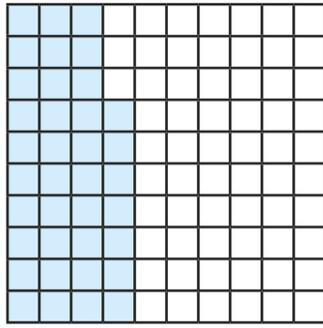
5 Continue the linear sequences.

a) $\frac{1}{10}, \frac{11}{100}, \frac{12}{100}, \square, \square, \square$

b) $\frac{35}{100}, \frac{5}{10}, \frac{65}{100}, \square, \square, \square$

c) $\frac{4}{10}, 0.29, \square, \square, \square$

6



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

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.

9

Complete the calculations.

You may use a hundred square to help you.

Give your answers as fractions.

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

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

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

10

Complete the number sentence in three different ways.

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

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

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

Compare answers with a partner.

Can you find another way?

