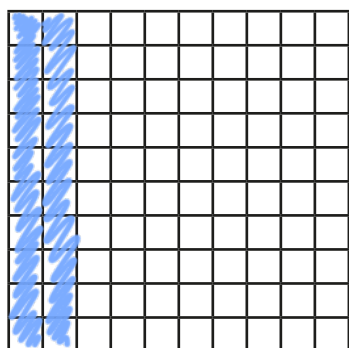
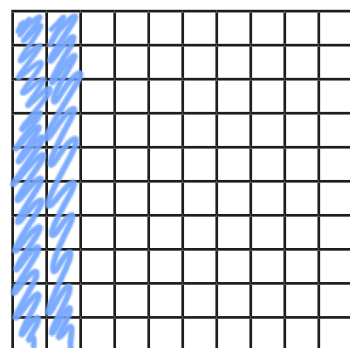


Convert between fractions and decimals – tenths and hundredths

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



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



- c) Complete the equivalent fractions.

$$\frac{2}{10} = \frac{20}{100}$$

$$0.2 = \frac{2}{10}$$

$$0.2 = \frac{20}{100}$$

- 2 Complete the statements.

a) $\frac{8}{10} = \frac{80}{100}$

d) $\frac{17}{100} = 0.17$

b) $\frac{70}{100} = \frac{7}{10}$

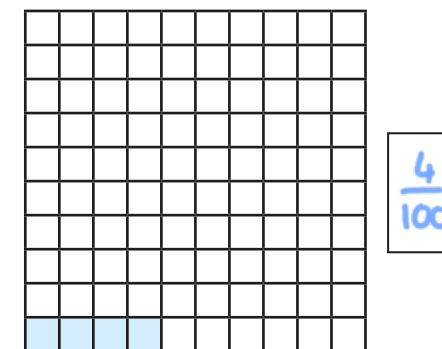
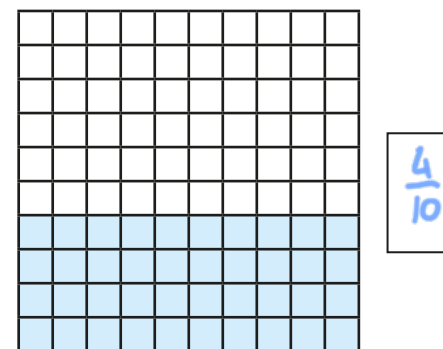
e) $0.37 = \frac{37}{100}$

c) $0.5 = \frac{5}{10}$

f) $0.03 = \frac{3}{100}$

- 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

$\frac{4}{10} = 0.4$ and $\frac{4}{100} = 0.04$ therefore $0.4 > 0.04$

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

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

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

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

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

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

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

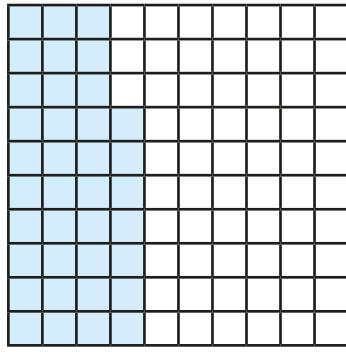
- 5 Continue the linear sequences.

a) $\frac{1}{10}, \frac{11}{100}, \frac{12}{100}, \frac{13}{100}, \frac{14}{100}, \frac{15}{100}$

b) $\frac{35}{100}, \frac{5}{10}, \frac{65}{100}, \frac{8}{10}, \frac{95}{100}, \frac{11}{10}$

c) $\frac{4}{10}, 0.29, 0.18, 0.07, -0.04$

6

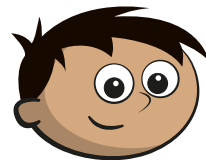


Use the diagram to explain why $\frac{37}{100} = \frac{3}{10} + \frac{7}{100}$

$$\frac{3}{10} = \frac{30}{100} \quad \text{and} \quad \frac{30}{100} + \frac{7}{100} = \frac{37}{100} \quad \text{therefore}$$

$$\frac{37}{100} = \frac{3}{10} + \frac{7}{100}$$

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.

$$\frac{37}{100} < 0.\underline{3}9$$

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

4, 5, 6, 7, 8, 9

9

Complete the calculations.

You may use a hundred square to help you.

Give your answers as fractions.

a) $\frac{3}{10} - \frac{20}{100} = \frac{\boxed{1}}{10}$

b) $1 - \frac{91}{100} = \frac{\boxed{9}}{100}$

c) $\frac{5}{10} - 0.17 = \frac{\boxed{33}}{100}$

10

Complete the number sentence in three different ways.

E.g.

$$\frac{49}{100} + \frac{\boxed{12}}{10} + 0.3 + 0.\underline{0}1 = 2$$

$$\frac{49}{100} + \frac{\boxed{11}}{10} + 0.3 + 0.\underline{1}1 = 2$$

$$\frac{49}{100} + \frac{\boxed{10}}{10} + 0.3 + 0.\underline{2}1 = 2$$

Compare answers with a partner.

Can you find another way?

