

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

b) Shade  $\frac{20}{100}$  of a 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)  $\frac{8}{10} = \frac{\square}{100}$

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

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

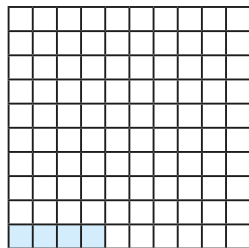
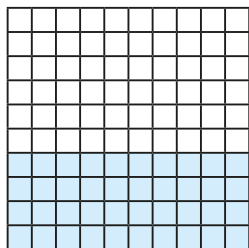
b)  $\frac{70}{100} = \frac{\square}{10}$

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

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

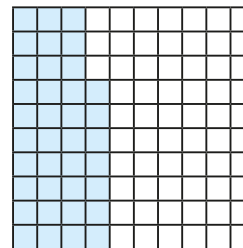
5 Write the next three terms in each linear sequence.

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

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

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

6



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

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

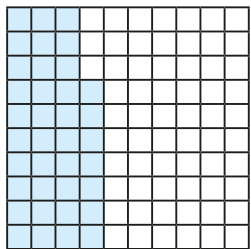
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Use the diagram to explain why  $\frac{37}{100} = \frac{3}{10} + \frac{7}{100}$

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

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

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

10

Complete the number sentence in three different ways.

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

Compare answers with a partner.

Can you find another way?