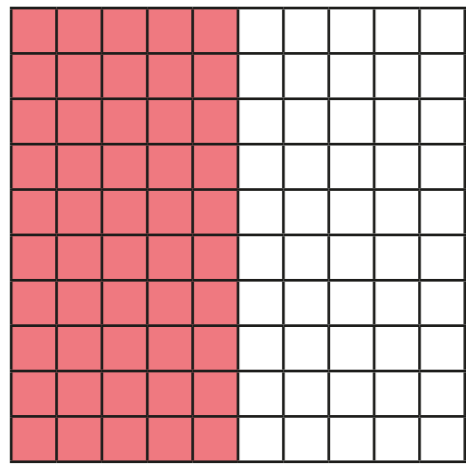


Halves and quarters

1 Half of the hundred square is shaded.



a) How many hundredths are shaded?

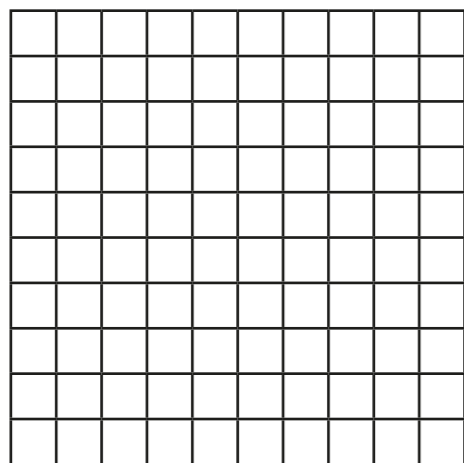
b) How many tenths are shaded?

c) Complete the equivalent fractions.

$$\frac{1}{2} = \frac{\boxed{}}{100} \quad \frac{1}{2} = \frac{\boxed{}}{10}$$

d) Write $\frac{1}{2}$ as a decimal.

2 Here is a blank hundred square.



a) Shade $\frac{1}{4}$

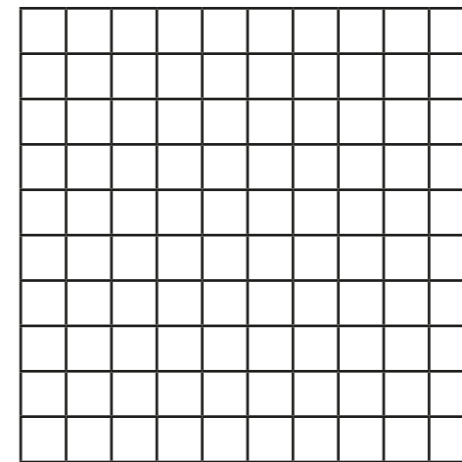
b) How many hundredths are shaded?

c) Complete the equivalent fraction.

$$\frac{1}{4} = \frac{\boxed{}}{100}$$

d) Write $\frac{1}{4}$ as a decimal.

3 Here is a blank hundred square.



a) Shade $\frac{3}{4}$

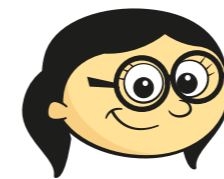
b) How many hundredths are shaded?

c) Complete the equivalent fraction.

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

d) Write $\frac{3}{4}$ as a decimal.

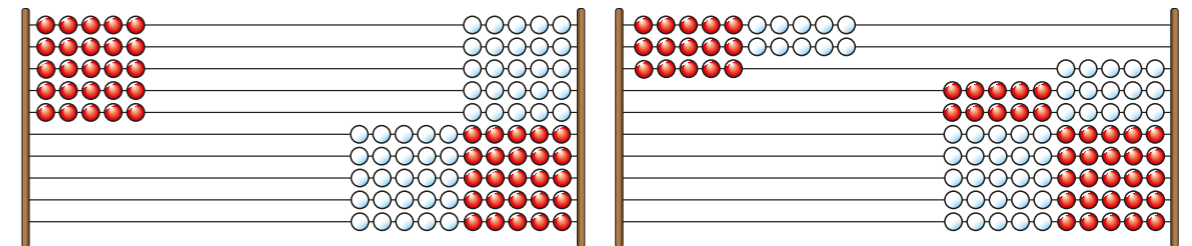
4



I don't need to shade a hundred square to write $\frac{3}{4}$ as a decimal because I already know what $\frac{1}{2}$ and $\frac{1}{4}$ are as decimals.

How does this help Annie?

5

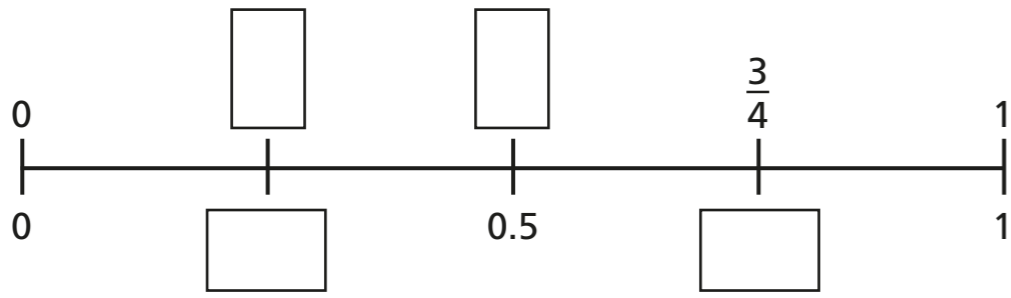


Both Rekenreks represent one quarter.

Is the statement true or false? _____

Talk about it with a partner.

6 Fill in the missing fractions and decimals on the number line.



7 Complete the equivalent fractions and decimals.

a) $\frac{25}{100} = \square$ e) $\frac{25}{100} = \frac{\square}{4}$

b) $\frac{75}{100} = \square$ f) $\frac{\square}{4} = \frac{75}{100}$

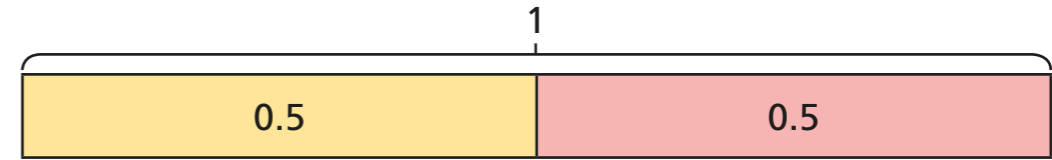
c) $\frac{1}{4} = \square$ g) $\square = \frac{1}{2}$

d) $\frac{3}{4} = \square$ h) $\frac{50}{100} = \frac{\square}{2}$

8

$$0.5 + 0.5 = 1$$

This bar model shows that $\frac{1}{2}$ is equivalent to 0.5



Draw a bar model to show that $\frac{1}{4}$ is equivalent to 0.25

9

Use your knowledge of equivalent fractions to convert between fractions and decimals.

a) $\frac{2}{4} = \square$ d) $0.25 = \frac{\square}{24}$

b) $\frac{5}{20} = \square$ e) $\frac{\square}{68} = 0.5$

c) $\square = \frac{21}{28}$ f) $0.75 = \frac{\square}{400}$

