

22/1/21 Answers

Can I write decimals as fractions?

If you have your Power Maths book at home, please complete p.9, p.10, p.11 and p.12

If you don't have your book then please use these slides and put the answers in your remote learning book.

1

Complete the sentences.

a)

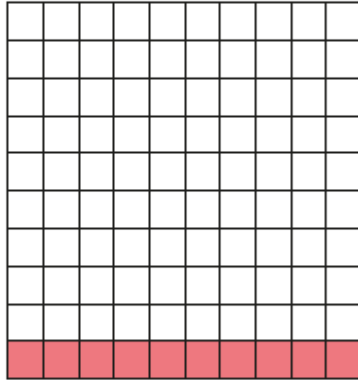
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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The whole has been divided into 10 equal parts.

Each part is worth 0.1

This is equivalent to $\frac{1}{10}$

b)



The whole has been divided into 100 equal parts.

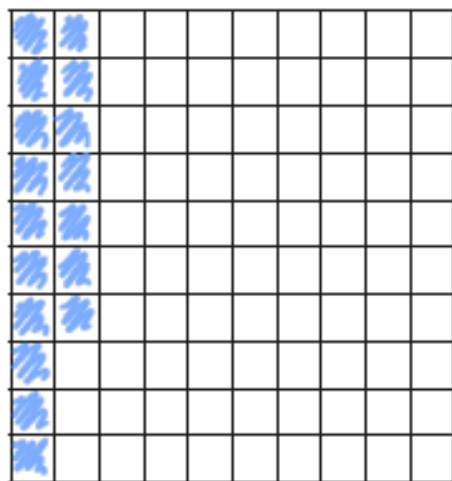
Each part is worth 0.01

10 parts out of 100 are shaded.

This is equivalent to $\frac{10}{100}$ or $\frac{1}{10}$

2

a) Shade 0.17 of the hundred square.



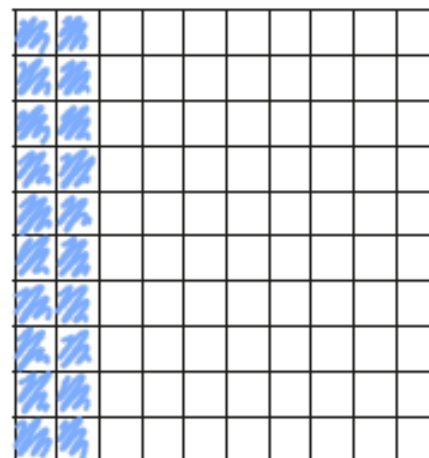
Complete the sentence.

17 parts out of 100 are shaded.

Write 0.17 as a fraction.

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

b) Shade 0.2 of the hundred square.



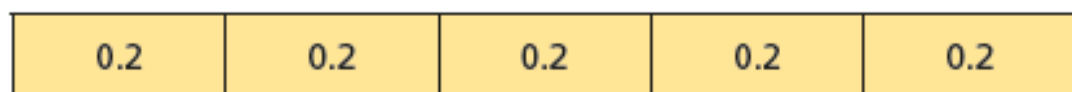
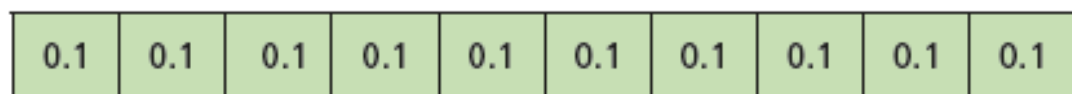
Complete the sentence.

20 parts out of 100 are shaded.

Write 0.2 as a fraction in its simplest form.

$$0.2 = \frac{1}{5}$$

3



Use the bar models to fill in the missing numbers.

$$0.2 = \frac{\boxed{2}}{10} = \frac{1}{\boxed{5}}$$

$$0.4 = \frac{\boxed{4}}{10} = \frac{2}{\boxed{5}}$$

$$\boxed{0.8} = \frac{\boxed{8}}{10} = \frac{4}{5}$$

4

Fill in the missing numbers.

$$\text{a) } 0.54 = \frac{\boxed{54}}{100} = \frac{\boxed{27}}{50}$$

$$\text{b) } 0.6 = \frac{\boxed{6}}{10} = \frac{\boxed{3}}{5}$$

$$\text{c) } 0.3 = \frac{\boxed{3}}{10} = \frac{\boxed{30}}{100}$$

$$\text{d) } \boxed{0.09} = \frac{9}{100}$$

$$\text{e) } \boxed{0.9} = \frac{9}{10}$$

$$\text{f) } \frac{21}{50} = \frac{\boxed{42}}{100} = \boxed{0.42}$$

5

Use the bar models to fill in the missing numbers.

a)



$$\frac{1}{2} = \frac{\boxed{5}}{10} = \boxed{0.5}$$

b)



$$\boxed{0.1} = \frac{\boxed{1}}{10} = \frac{\boxed{2}}{20}$$