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 |

The whole has been divided into ☐ equal parts.

Each part is worth ☐

This is equivalent to ☐

b)

The whole has been divided into ☐ equal parts.

Each part is worth ☐

☐ parts out of ☐ are shaded.

This is equivalent to ☐

2 **a)** Shade 0.17 of the hundred square.

Complete the sentence.

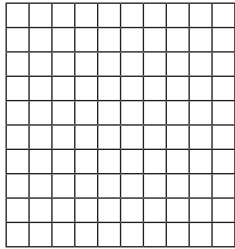☐ parts out of ☐ are shaded.

Write 0.17 as a fraction.

$0.17 =$ ☐

b) Shade 0.2 of the hundred square.

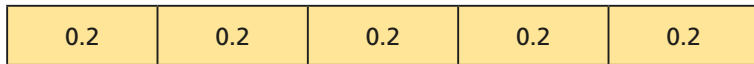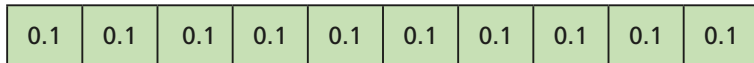

Complete the sentence.

☐ parts out of ☐ are shaded.

Write 0.2 as a fraction in its simplest form.

$0.2 =$ ☐

3

| 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

| 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

Use the bar models to fill in the missing numbers.

$0.2 = \dfrac{\square}{10} = \dfrac{1}{\square}$ $0.4 = \dfrac{\square}{10} = \dfrac{2}{\square}$ $\square = \dfrac{\square}{10} = \dfrac{4}{5}$

4 Fill in the missing numbers.

a) $0.54 = \dfrac{\square}{100} = \dfrac{\square}{50}$

b) $0.6 = \dfrac{\square}{10} = \dfrac{\square}{5}$

c) $0.3 = \dfrac{\square}{10} = \dfrac{\square}{100}$

d) $\square = \dfrac{9}{100}$

e) $\square = \dfrac{9}{10}$

f) $\dfrac{21}{50} = \dfrac{\square}{100} = \square$

b) Shade 0.2 of the hundred square.

Complete the sentence.

[ ] parts out of [ ] are shaded.

Write 0.2 as a fraction in its simplest form.

$0.2 =$ [ ]

3

| 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

| 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

Use the bar models to fill in the missing numbers.

$0.2 = \dfrac{\square}{10} = \dfrac{1}{\square}$ $0.4 = \dfrac{\square}{10} = \dfrac{2}{\square}$ $\square = \dfrac{\square}{10} = \dfrac{4}{5}$

4 Fill in the missing numbers.

a) $0.54 = \dfrac{\square}{100} = \dfrac{\square}{50}$
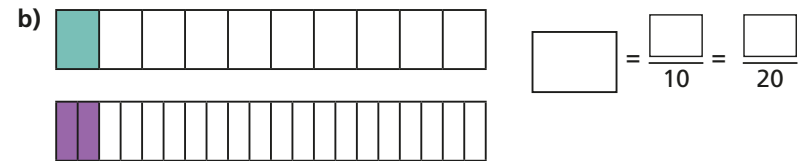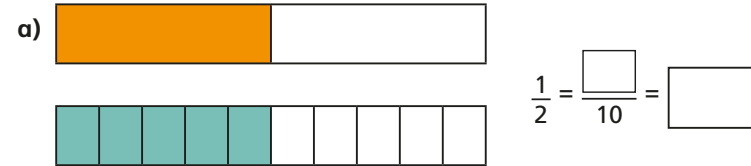
b) $0.6 = \dfrac{\square}{10} = \dfrac{\square}{5}$

c) $0.3 = \dfrac{\square}{10} = \dfrac{\square}{100}$

d) $\square = \dfrac{9}{100}$

e) $\square = \dfrac{9}{10}$

f) $\dfrac{21}{50} = \dfrac{\square}{100} = \square$

5 Use the bar models to fill in the missing numbers.

a)

$\dfrac{1}{2} = \dfrac{\square}{10} = \square$

b)

$\square = \dfrac{\square}{10} = \dfrac{\square}{20}$

6

$0.3 = \dfrac{3}{10}$ so $0.37 = \dfrac{37}{10}$

Draw a diagram to show that Ron is wrong.