

Hundredths as decimals

1 Complete the table.

Hundred square	Words	Fraction	Decimal
	thirty-six hundredths	$\frac{36}{100}$	0.36
	eighty-two hundredths	$\frac{82}{100}$	0.82
	twenty-seven hundredths	$\frac{27}{100}$	0.27
	twelve hundredths	$\frac{12}{100}$	0.12
	seven tenths	$\frac{7}{10}$	0.7
	three tenths	$\frac{3}{10}$	0.3

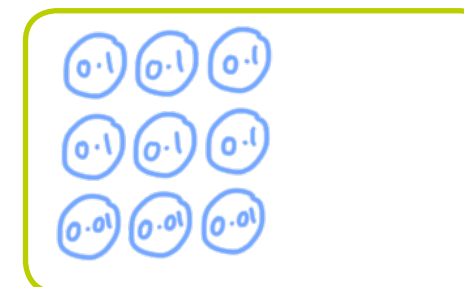


2 Draw decimal place value counters to represent the numbers.

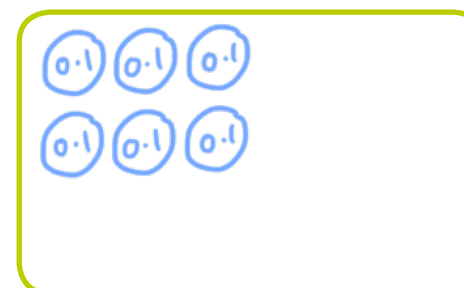
a) 0.03



c) 0.63



b) 0.6



d) 0.36



3 The counters represent tenths and hundredths.

a) Match the decimals to the groups of counters.

0.04

0.4

0.14

0.41

0.01

0.01

0.01

0.1

0.01

0.1

0.1

0.1

0.1

0.1

0.01

0.01

0.01

0.01

0.01

0.01

0.1

0.1

0.1

0.1

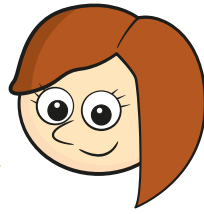
0.1

b) Write each decimal as a fraction.

$$0.04 = \frac{4}{100} \quad 0.4 = \frac{4}{10} \quad 0.14 = \frac{14}{100} \quad 0.41 = \frac{41}{100}$$

4

3 hundreds is
the same as $\frac{3}{100}$



Is Rosie correct? No

Explain your answer.

3 hundreds = 300 3 hundredths = $\frac{3}{100}$

5

Match the decimals to the descriptions.

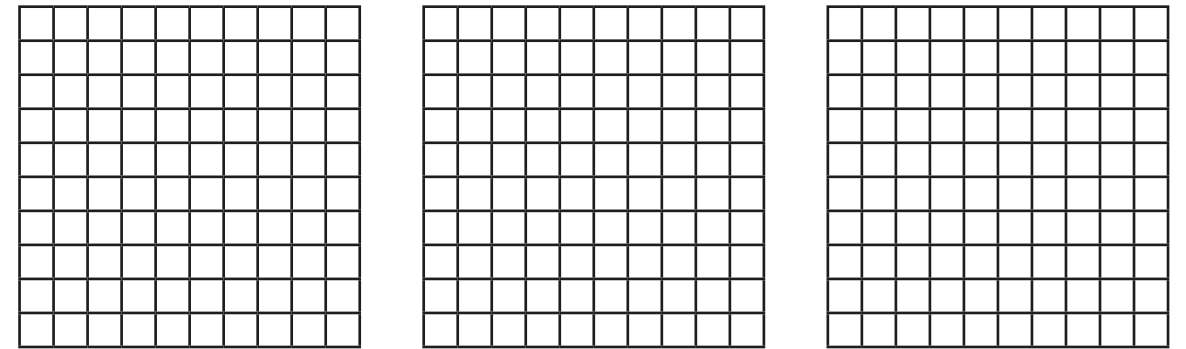
Some of the numbers can be described in two ways.

1.3	one tenth and three hundredths
	thirty hundredths
0.03	one and three tenths
	thirteen tenths
0.3	thirteen hundredths
	three tenths
0.13	three hundredths

(Hand-drawn blue lines connect 1.3 to one and three tenths and thirteen tenths; 0.03 to three hundredths; 0.3 to three tenths; and 0.13 to thirteen hundredths.)

6

Shade the hundred squares to represent 12 hundredths in three different ways. *Various answers*

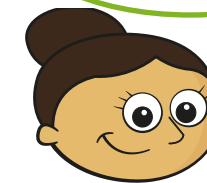


Compare answers with a partner.

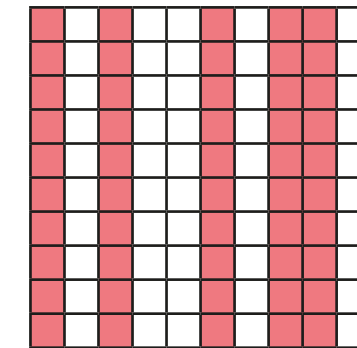
What is the same? What is different?

7

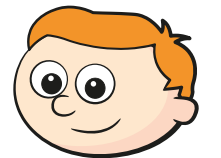
0.6 of the
hundred square
is shaded.



Dora

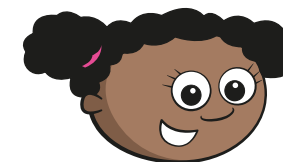


6 tenths of the
hundred square
is shaded.



Ron

0.60 of the
hundred square
is shaded.



Whitney

60 hundredths
of the hundred square
is shaded.



Jack

Who do you agree with? All

Explain why.

