Divide a 1- or 2-digit number by 100

1 a) Draw counters to show 8 on the place value chart.

Ones	Tenths	Hundredths

b) Complete the division.

$8 \div 10 =$ ☐

c) Draw counters to show your answer on the place value chart.

Ones	Tenths	Hundredths

d) Divide your answer by 10 again.

Draw counters to show your answer on the place value chart.

Ones	Tenths	Hundredths

e) Complete the division.

☐ $\div 10 =$ ☐

f) Complete the division.

$8 \div 100 = 8 \div 10 \div 10$

$=$ ☐

2 Complete the sentence.

To divide a number by 100, you move the counters ☐ places

to the _____

3 Complete the calculations.

a) $3 \div 100 =$ ☐

d) ☐ $= 60 \div 100$

b) $90 \div 100 =$ ☐

e) ☐ $\div 100 = 0.5$

c) ☐ $= 5 \div 100$

f) $0.02 =$ ☐ $\div 100$

4 Tiny is working out $48 \div 100$ using a place value chart.

Tens	Ones	Tenths	Hundredths
●●●●	●●●● ●●●●		
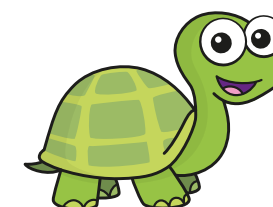
To divide by 100 you move two places to the right, so $48 \div 100$ is 40.08

Tens	Ones	Tenths	Hundredths
●●●●			●●●● ●●●●

a) Explain the mistake that Tiny has made.

_____

_____

b) Complete the division.

$48 \div 100 =$ ☐

5 The Gattegno chart shows the number 37

10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09

a) Explain how you would work out 37 ÷ 100 using this chart.

_____

_____

Compare answers with a partner.

b) Use the Gattegno chart to complete the division.

92 ÷ 100 = ☐

c) Use the Gattegno chart to complete the division.

19 ÷ 100 = ☐

6 Complete the calculations.

a) 31 ÷ 100 = ☐

b) 60 ÷ 100 = ☐

c) ☐ = 85 ÷ 100

d) 0.01 = ☐ ÷ 100

e) ☐ = 29 ÷ 100

f) ☐ ÷ 100 = 0.58

g) 0.4 = ☐ ÷ 100

h) 0.3 = 30 ÷ ☐

7

Dividing by 100 is always the same as dividing by 10 twice.
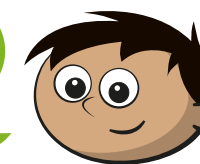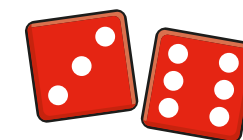
Do you agree with Amir? _____

Explain your answer.

8 Roll two dice to make two 2-digit numbers.

Divide your numbers by 100. Record your answer. Roll again.

Here is an example.

36 ÷ 100
63 ÷ 100

☐ ÷ 100 = ☐ and ☐ ÷ 100 = ☐

☐ ÷ 100 = ☐ and ☐ ÷ 100 = ☐

What is the greatest possible answer you can get?

☐

What is the smallest possible answer?

☐

Compare answers with a partner.