Dividing 1 and 2 digits by a hundred

1

Ones	Tenths	Hundredths

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

b) Complete the division. $8 \div 100 =$ ☐

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

What do you notice?

2

Ones	Tenths	Hundredths

a) Draw counters to show 80 on the place value chart.

b) Complete the division. $80 \div 100 =$ ☐

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

What do you notice?

3 Complete the sentence.

To divide by 100 you move the counters ☐ places to the _____

4 Complete the calculations.

a) $3 \div 100 =$ ☐

b) $90 \div 100 =$ ☐

c) ☐ $= 5 \div 100$

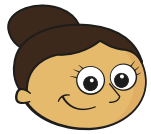
d) ☐ $= 60 \div 100$

e) ☐ $\div 100 = 0.5$

f) $0.02 =$ ☐ $\div 100$

5 Dora 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 Dora has made.

b) Complete the division. $48 \div 100 =$ ☐

6 This 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 $37 \div 100$ using this chart.
Compare answers with a partner.

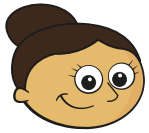
b) Use the Gattegno chart to complete the division. $92 \div 100 =$ ☐

c) Use the Gattegno chart to complete the division. $19 \div 100 =$ ☐

Dividing 1 and 2 digits by a hundred

5 Dora is working out 48 ÷ 100 using a place value chart.

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



To divide by 100 you move two places to the right, so 48 ÷ 100 is 40.08

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

a) Explain the mistake that Dora has made.

b) Complete the division. 48 ÷ 100 = ☐

6 This 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 = ☐

7 Complete the calculations.

a) 31 ÷ 100 = ☐

b) 60 ÷ 100 = ☐

c) ☐ = 85 ÷ 100

d) 0.01 = ☐ ÷ 100

e) ☐ = 29 ÷ 100

f) ☐ ÷ 100 = 0.58

g) 0.5 = ☐ ÷ 100

h) 0.3 = 30 ÷ ☐

8 Complete the calculations.

a) 36 ÷ 10 = ☐ 36 ÷ 100 = ☐ 36 ÷ 10 ÷ 10 = ☐

b) 91 ÷ 10 = ☐ 91 ÷ 100 = ☐ 91 ÷ 10 ÷ 10 = ☐

What do you notice?

9

Dividing by 100 is always the same as dividing by 10 twice.

Do you agree with Amir?
Explain your answer.

10 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 and 63 ÷ 100

What is the greatest possible answer you can get?

What is the smallest possible answer?

Compare answers with a partner.