

# Dividing 1 and 2 digits by a hundred

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

Ones	Tenths	Hundredths

b) Complete the division.

$$8 \div 100 = \square$$

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

Ones	Tenths	Hundredths

What do you notice?

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

Tens	Ones	Tenths	Hundredths

b) Complete the division.

$$80 \div 100 = \square$$

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

Tens	Ones	Tenths	Hundredths

What do you notice?

3 Complete the sentence.

To divide by 100 you move the counters  places to the \_\_\_\_\_

4 Complete the calculations.

a)  $3 \div 100 = \square$

d)  $\square = 60 \div 100$

b)  $90 \div 100 = \square$

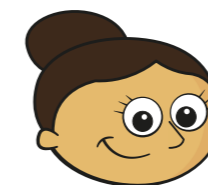
e)  $\square \div 100 = 0.5$

c)  $\square = 5 \div 100$

f)  $0.02 = \square \div 100$

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.

$$48 \div 100 = \square$$



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.

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Compare answers with a partner.

b) Use the Gattegno chart to complete the division.

$$92 \div 100 = \boxed{\phantom{00}}$$

c) Use the Gattegno chart to complete the division.

$$19 \div 100 = \boxed{\phantom{00}}$$

7 Complete the calculations.

a)  $31 \div 100 = \boxed{\phantom{00}}$

e)  $\boxed{\phantom{00}} = 29 \div 100$

b)  $60 \div 100 = \boxed{\phantom{00}}$

f)  $\boxed{\phantom{00}} \div 100 = 0.58$

c)  $\boxed{\phantom{00}} = 85 \div 100$

g)  $0.5 = \boxed{\phantom{00}} \div 100$

d)  $0.01 = \boxed{\phantom{00}} \div 100$

h)  $0.3 = 30 \div \boxed{\phantom{00}}$



8 Complete the calculations.

a)  $36 \div 10 = \boxed{\phantom{00}}$

b)  $91 \div 10 = \boxed{\phantom{00}}$

$$36 \div 100 = \boxed{\phantom{00}}$$

$$91 \div 100 = \boxed{\phantom{00}}$$

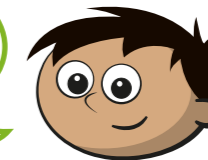
$$36 \div 10 \div 10 = \boxed{\phantom{00}}$$

$$91 \div 10 \div 10 = \boxed{\phantom{00}}$$

What do you notice?

9

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



Do you agree with Amir? \_\_\_\_\_

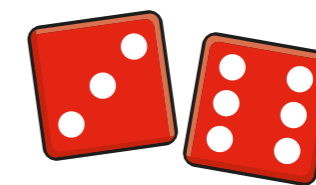
Explain your answer.

10

Roll two dice to make two 2-digit numbers.

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

Here is an example.



$36 \div 100$  and  $63 \div 100$

$$\boxed{\phantom{00}} \div 100 = \boxed{\phantom{00}} \text{ and } \boxed{\phantom{00}} \div 100 = \boxed{\phantom{00}}$$

$$\boxed{\phantom{00}} \div 100 = \boxed{\phantom{00}} \text{ and } \boxed{\phantom{00}} \div 100 = \boxed{\phantom{00}}$$

What is the greatest possible answer you can get?

What is the smallest possible answer?

Compare answers with a partner.

