Dividing 1 and 2 digits by a hundred

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

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 |
| :---: | :--- | :--- | :--- |
|  |  |  |  |
|  |  |  |  |

[^0](3) Complete the sentence.

To divide by 100 you move the counters $\square$ places to the $\qquad$
(4) Complete the calculations.
a) $3 \div 100=$ $\square$
d)
 $=60 \div 100$
b) $90 \div 100=$ $\square$
e)
c) $\square$ $=5 \div 100$
f) $0.02=$ $\square$ $\div 100$

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

a) Explain the mistake that Dora has made.
$\qquad$
b) Complete the division.

$$
48 \div 100=\square
$$

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.

$$
92 \div 100=\square
$$

c) Use the Gattegno chart to complete the division.

$$
19 \div 100=\square
$$

7 Complete the calculations.
a) $31 \div 100=$ $\square$
e) $\square$ $=29 \div 100$
b) $60 \div 100=$ $\square$
f) $\square$ $\div 100=0.58$
c)

g) $0.5=$ $\square$ $\div 100$
d) $0.01=$ $\square$ $\div 100$
h) $0.3=30 \div$ $\square$

8 Complete the calculations.
a) $36 \div 10=\square$

$$
36 \div 100=
$$

$$
=\square
$$

$$
36 \div 10 \div 10=
$$

$\square$
b) $91 \div 10=\square$
$91 \div 100=$ $\square$

What do you notice?


Do you agree with Amir? $\qquad$
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.


$$
36 \div 100 \text { and } 63 \div 100
$$

$\square$ $\div 100=$ $\square$ and $\square$ $\div 100=$ $\square$
$\square$
What is the greatest possible answer you can get?

What is the smallest possible answer? $\square$
Compare answers with a partner.
$\square$ $\div 100=$ Compare answers with a partner.


[^0]:    What do you notice?

