Divide 1 and 2-Digits by 10 Answers

To divide 1 and 2-digit numbers by 10.

1) Draw counters on the place value charts and solve the calculations.

a) 15 ÷ 10 = **1.5**

Tens	Ones	Tenths
1	5	

÷ 10

Tens	Ones	Tenths
	1	5

b) 8.9 = **1.5** ÷ 10

Tens	Ones	Tenths
8	9	

÷ 10

Tens	Ones	Tenths
	8	9

c) **32** ÷ 10 = 3.2

Tens	Ones	Tenths
3	2	

÷ 10

Tens	Ones	Tenths
	3	2

d) **0.7** = 7 ÷ 10

Tens	Ones	Tenths
	7	

÷ 10

Tens	Ones	Tenths
	0	7

e) 3 ÷ 10 = **0.3**

Tens	Ones	Tenths
	3	

÷ 10

Tens	Ones	Tenths
	0	3

f) **2.3** = 23 ÷ 10

Tens	Ones	Tenths
2	3	

÷ 10

Tens	Ones	Tenths
	2	3

2) Complete the calculations.

a) 5 ÷ 10 = 20 ÷ **4** ÷ 10

b) 18 ÷ 3 ÷ 10 = **36** ÷ 6 ÷ 10

c) 81 ÷ **9** ÷ 10 = 18 ÷ 2 ÷ 10

d) **144** ÷ 12 ÷ 10 = 24 ÷ 2 ÷ 10

3) Here is a Gattegno chart. This chart can help with dividing and multiplying numbers.

1000	2000	3000	4000	5000	6000	7000	8000	9000
100	200	300	400	500	600	700	800	900
10	20	30	40	50	60	70	80	90
1	2	3	4	5		7	8	9
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9

a) James is using the Gattegno chart to divide 6 by 10.

I can use the Gattegno chart the same way as a place value chart. If I want to divide 6 by 10, I can move the counter to the right!

Tom

Do you agree with James? Explain your answer.

James is incorrect. The Gattegno chart cannot be used the same way as a place value chart. 6 divided by 10 equals 0.6. This means that, when you use the Gattegno chart, you need to move the counter vertically to find the answer.

b) Compare the method of using the Gattegno chart to using a place value chart.
Which method do you prefer for dividing 1- and 2-digit numbers by 10?
Give reasons for your choice.

Answer will depend on child's choice. They may choose a place value chart as you can use it to calculate any number. They may choose the Gattegno chart as the answers are written down and you can see patterns.