Divide by 10, 100 and 1,000

1 Complete the division sentences.

You may use the place value charts to help you.

a)

Th	H	T	O
		6	0

60 ÷ 10 = ☐

b)

Th	H	T	O
	4	9	0

490 ÷ 10 = ☐

c)

Th	H	T	O
1	4	9	0

1,490 ÷ 10 = ☐

d) What happens to the digits when you divide a number by 10?

2 Complete the division sentences.

a) 90 ÷ 10 = ☐

b) 750 ÷ 10 = ☐

c) 820 ÷ 10 = ☐

d) ☐ = 1,460 ÷ 10

e) 32,390 ÷ 10 = ☐

f) 6,200 ÷ 10 = ☐

g) 700 ÷ 10 = ☐

h) 92,000 ÷ 10 = ☐

3 Complete the divisions.

You may use the place value charts to help you.

a)

HTh	TTh	Th	H	T	O
			9	0	0

900 ÷ 100 = ☐

b)

HTh	TTh	Th	H	T	O
	1	6	0	0	0

16,000 ÷ 100 = ☐

c)

HTh	TTh	Th	H	T	O
		9	0	0	0

9,000 ÷ 1,000 = ☐

d)

HTh	TTh	Th	H	T	O
7	6	8	0	0	0

768,000 ÷ 1,000 = ☐

e) Explain to a partner how to divide a number by 100

Ask them to explain to you how to divide a number by 1,000

4 Complete the division sentences.

a) 4,500 ÷ 10 = ☐

62,000 ÷ 10 = ☐

739,300 ÷ 10 = ☐

b) 4,500 ÷ 100 = ☐

62,000 ÷ 100 = ☐

739,300 ÷ 100 = ☐

c) ☐ ÷ 10 = 76

☐ ÷ 100 = 76

☐ ÷ 1,000 = 76

d) ☐ ÷ 1,000 = 30

☐ ÷ 1,000 = 300

☐ ÷ 1,000 = 3,000

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5 Complete the table.

Number	Number divided by 10	Number divided by 100	Number divided by 1,000
65,000			
	7,200		
		3,500	

6 Write <, > or = to make the statements true.

a) 4,900 ÷ 10 ◯ 4,900 ÷ 100

b) 56,000 ÷ 100 ◯ 65,000 ÷ 100

c) 93,000 ÷ 1,000 ◯ 9,300 ÷ 100

d) 5,700 ÷ 100 ◯ 5,700 ÷ 1,000

7 Complete the sentences.

a) Dividing a number by 10 and then by 10 again is the same as

_____

_____

b) Dividing a number by 1,000 is the same as dividing by 10

and then _____

_____

Compare answers with a partner.

8 In 2019, 568,000 houses were built.

In 2018, 10 times fewer houses were built.

In 2017, 100 times fewer houses were built.

a) How many houses were built in 2018?

b) How many houses were built in 2017?

c) How many houses were built between 2017 and 2019?

9 Alex is thinking of a number.

- She divides the number by 100
- The answer has one more in the hundreds column than in the tens column.
- The total of the digits is 15

What could the number be?

How many different answers can you find?

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