

Divide by 10, 100 and 1,000

1 Complete the division sentences.

a)

Th	H	T	O
		6	0

$60 \div 10 = 6$

b)

Th	H	T	O
	4	9	0

$490 \div 10 = 49$

c)

Th	H	T	O
1	4	9	0

$1,490 \div 10 = 149$

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

They move one place to the right.

2 Complete the division sentences.

a) $90 \div 10 = 9$

e) $32,390 \div 10 = 3,239$

b) $750 \div 10 = 75$

f) $6,200 \div 10 = 620$

c) $820 \div 10 = 82$

g) $700 \div 10 = 70$

d) $146 = 1,460 \div 10$

h) $92,000 \div 10 = 9,200$

3 Complete the divisions.

a)

HTh	TTh	Th	H	T	O
			9	0	0

$900 \div 100 = 9$

b)

HTh	TTh	Th	H	T	O
	1	6	0	0	0

$16,000 \div 100 = 160$

c)

HTh	TTh	Th	H	T	O
		9	0	0	0

$9,000 \div 1,000 = 9$

d)

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

$768,000 \div 1,000 = 768$

4 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

5 Complete the division sentences.

a) $4,500 \div 10 = 450$

c) $760 \div 10 = 76$

$62,000 \div 10 = 6,200$

$7,600 \div 100 = 76$

$739,300 \div 10 = 73,930$

$76,000 \div 1,000 = 76$

b) $4,500 \div 100 = 45$

d) $30,000 \div 1,000 = 30$

$62,000 \div 100 = 620$

$300,000 \div 1,000 = 300$

$739,300 \div 100 = 7,393$

$3,000,000 \div 1,000 = 3,000$

6 Complete the table.

Number	Number divided by 10	Number divided by 100	Number divided by 1,000
65,000	6,500	650	65
72,000	7,200	720	72
350,000	35,000	3,500	350

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

a) $4,900 \div 10$ $>$ $4,900 \div 100$

b) $56,000 \div 100$ $<$ $65,000 \div 100$

c) $93,000 \div 1,000$ $=$ $9,300 \div 100$

d) $5,700 \div 100$ $>$ $5,700 \div 1,000$

8 Complete the sentences.

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

dividing by 100

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

and then by 100

Compare answers with a partner.

9 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?

56,800 houses

b) How many houses were built in 2017?

5,680 houses

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

630,480 houses

10 Alex is thinking of a number.

She divides it 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?

E.g. 87,000

How many different answers can you find?