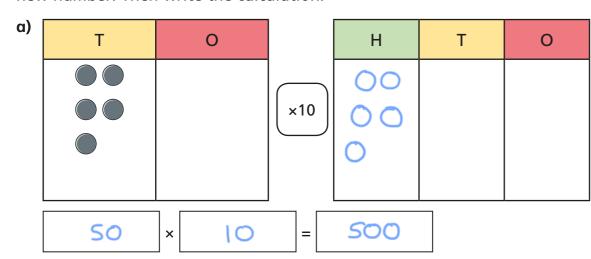
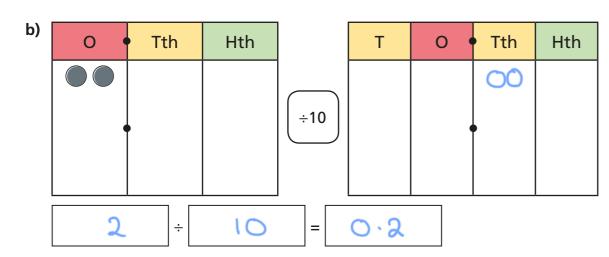


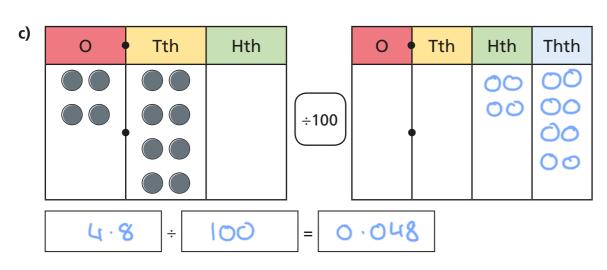
Multiply and divide by powers of 10

Draw counters in the place value charts on the right-hand side to show the new number. Then write the calculation.









The place value charts show Teddy's counters before and after completing a calculation.

Before

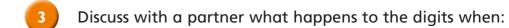
Н	Т	0	Tth	Hth	Thth

After

Н	Т	0	Tth	Hth	Thth
		•			

What calculation has Teddy worked out?

How do you know?



- you multiply a number by 10
- you divide a number by 100
- you multiply a number by 1,000







Complete the calculations.

Use a place value chart to help you if you need it.

c) 490 ÷ 10 = 49

5 Complete the calculations.

e) $42 \div 1,000 \times$

- h) $100 \times 0.461 \div 1,000 = \bigcirc \cdot \bigcirc 461$
- Fill in the missing numbers.

100



7 Solve the equations.

a)
$$\frac{x}{100} = 10.8$$

c)
$$10k = 94.6$$

d)
$$\frac{y}{1000} = 1.04$$

$$y = \frac{1.040}{}$$

8 Nijah answers this question.

$$0.4 \times 100 = \underline{0.400}$$

What mistake has Nijah made?



a positive multiple of 50

100 times larger than A

C 10 times smaller than A

В

Are these statements always, sometimes or never true?

B is a multiple of 5 Always

B ÷ C is an integer <u>Aways</u>

B < C Never

C ÷ B is an integer _______

B > C Always

B is 10 times smaller than C ______

