

Divide by 10, 100 and 1,000

1 Complete the divisions.

a)

H	T	O	Tth	Hth
		5		

 $5 \div 10 = \square$

b)

H	T	O	Tth	Hth
	1	5		

 $15 \div 10 = \square$

c)

H	T	O	Tth	Hth
		3	8	

 $3.8 \div 10 = \square$

d)

H	T	O	Tth	Hth
	1	3	8	

 $13.8 \div 10 = \square$

What do you notice when you divide a number by 10?



2 Complete the divisions.

a) $7 \div 10 = \square$ d) $16 \div 10 = \square$

b) $7.8 \div 10 = \square$ e) $16.4 \div 10 = \square$

c) $7.86 \div 10 = \square$ f) $16.48 \div 10 = \square$

3 Complete the divisions.

a)

H	T	O	Tth	Hth	Thth
	1	7			

 $17 \div 100 = \square$

b)

H	T	O	Tth	Hth	Thth
		9	4		

 $9.4 \div 100 = \square$

c)

H	T	O	Tth	Hth	Thth
2	7	6			

 $276 \div 100 = \square$

d)

H	T	O	Tth	Hth	Thth
	3	2	5		

 $32.5 \div 100 = \square$

What do you notice when you divide a number by 100?



4 Complete the divisions.

a) $7 \div 100 = \square$ d) $109 \div 100 = \square$

b) $7.2 \div 100 = \square$ e) $10.9 \div 100 = \square$

c) $72.5 \div 100 = \square$ f) $109.5 \div 100 = \square$



5 Use a place value chart to work out $136 \div 1,000$

H	T	O	Tth	Hth	Thth
1	3	6			

Complete the calculation.

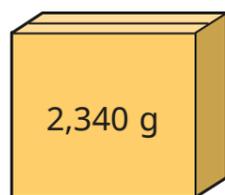
$$136 \div 1,000 = \boxed{}$$

Talk to a partner about your method.

6 Use your knowledge of measure to work out the answers.

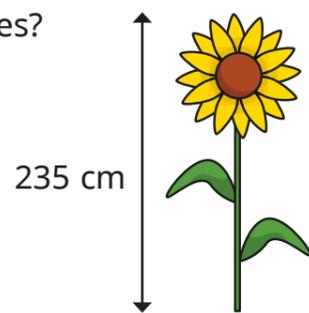
a) What is the mass of the box in kilograms?

$$\boxed{} \div \boxed{} = \boxed{}$$



b) What is the height of the sunflower in metres?

$$\boxed{} \div \boxed{} = \boxed{}$$



c) What is the amount of juice in litres?

$$\boxed{} \div \boxed{} = \boxed{}$$



7 Complete the calculations.

a) $147 \div 10 = \boxed{}$

$$147 \div 100 = \boxed{}$$

$$147 \div 1,000 = \boxed{}$$

c) $3,200 \div 10 = \boxed{}$

$$3,200 \div 100 = \boxed{}$$

$$3,200 \div 1,000 = \boxed{}$$

b) $21 \div 10 = \boxed{}$

$$21 \div 100 = \boxed{}$$

$$21 \div 1,000 = \boxed{}$$

d) $5,006 \div 10 = \boxed{}$

$$5,006 \div 100 = \boxed{}$$

$$5,006 \div 1,000 = \boxed{}$$

8 Fill in the missing numbers.

a)

$$1,200 \xrightarrow{\div 10} 120 \xrightarrow{\div 100} 1.2$$

$$1,200 \xrightarrow{\div \boxed{}} 1.2$$

b)

$$230 \xrightarrow{\div 1,000} 0.23 \xrightarrow{\times 10} 2.3$$

$$230 \xrightarrow{\div \boxed{}} 2.3$$

c)

$$37 \xrightarrow{\div \boxed{}} 0.037 \xrightarrow{\times \boxed{}} 3.7$$

$$37 \xrightarrow{\div 10} 3.7$$