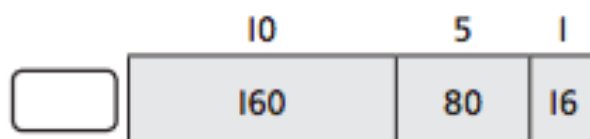


Dividing numbers up to 4 digits by a 2-digit number 1

- 1 Match each division to a model, and then complete the models and the divisions.

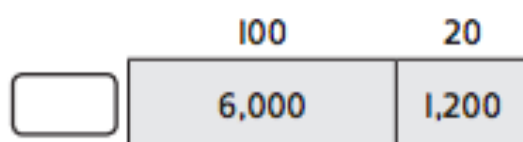
$$6 \overline{) 1536}$$

$$1,536 \div 6 = \square$$



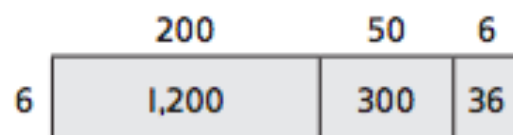
$$16 \overline{) 256}$$

$$256 \div 16 = \square$$



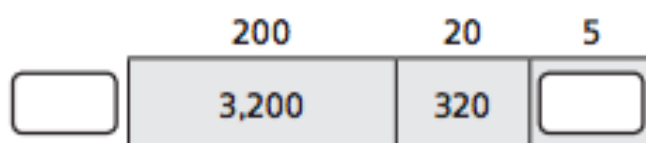
$$16 \overline{) 3600}$$

$$3,600 \div 16 = \square$$



$$60 \overline{) 7200}$$

$$\square = 7,200 \div 60$$



2 Complete these divisions.

a)

$$33 \overline{) 759}$$

$$759 \div 33 = \square$$

b)

$$14 \overline{) 2954}$$

$$2,954 \div 14 = \square$$

3 Max has 3,500 g of guinea pig food to last for 25 days. How much food can he use per day?



4 Solve these divisions.

a) $468 \div 9 = \square$



c) $378 \div 18 = \square$



b) $4,689 \div 9 = \square$



d) $3,798 \div 18 = \square$



5 Fill in the missing digits.

$$\begin{array}{r} 3 \quad 3 \\ 22 \overline{) 88} \end{array}$$

$$\boxed{} \div 22 = \boxed{}$$

$$\begin{array}{r} 1 \quad 4 \\ 21 \overline{) 694} \end{array}$$

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

CHALLENGE

Reflect

Show two methods you can use to solve $1,887 \div 17 = \boxed{}$.

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Dividing numbers up to 4 digits by a 2-digit number ②

- 1** a) Reena has shared 3,500 ml of juice equally between 14 glasses.
How much juice is in each glass?

3,500



$$3,500 \div 7 = \square$$

$$\square \div 2 = \square$$

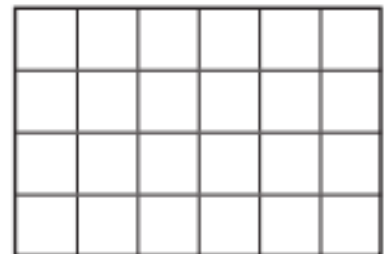
$$7 \overline{) 3500}$$

$$2 \overline{) \quad \quad \quad}$$

$$3,500 \div 14 = \square$$

- b) Aki has 360 g of clay. He makes small clay shells.
Each shell weighs 24 g. How many shells can he make?

360



$$360 \div 6 = \square$$

$$\square \div 4 = \square$$



2 Complete the divisions.

$$1,260 \rightarrow \boxed{\div 10} \rightarrow \boxed{\div 2} \rightarrow 1,260 \div 20 = \boxed{}$$

$$180 \rightarrow \boxed{\div 3} \rightarrow \boxed{\div 5} \rightarrow 180 \div 15 = \boxed{}$$

$$960 \rightarrow \boxed{\div 2} \rightarrow \boxed{\div} \rightarrow 960 \div 16 = \boxed{}$$

$$1,100 \rightarrow \boxed{\div} \rightarrow \boxed{\div} \rightarrow 1,100 \div 22 = \boxed{}$$

3 Complete the divisions by choosing factors.

a) $2,700 \div 18 = \boxed{}$



c) $5,400 \div 36 = \boxed{}$



b) $7,200 \div 12 = \boxed{}$



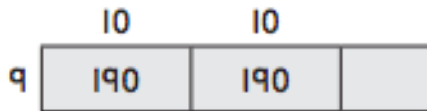
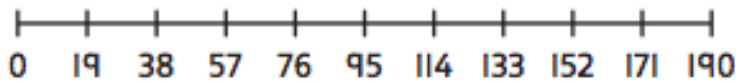
d) $5,600 \div 14 = \boxed{}$



Dividing numbers up to 4 digits by a 2-digit number ③

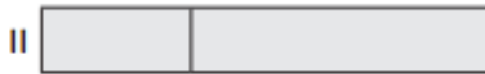
I Solve these divisions.

a) $399 \div 19 = \square$

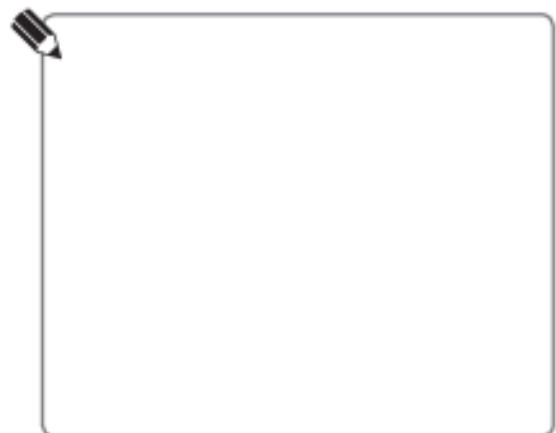
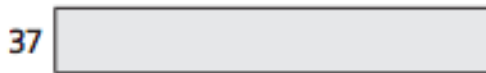


$$\begin{array}{r} 19 \overline{) 399} \\ \underline{190} \\ 209 \\ \underline{190} \\ 190 \\ \underline{190} \\ 0 \end{array}$$

b) $385 \div 11 = \square$



c) $888 \div 37 = \square$



- 2** There are 992 pupils in a school. They are organised into classes with 31 pupils in each class. How many classes are there?



- 3** Complete these divisions.

a) $182 \div 13 = \square$



c) $528 \div 11 = \square$




b) $364 \div 13 = \square$



d) $528 \div 22 = \square$



- 4 Mo and Olivia are dividing 1,221 by 37. Mo uses three subtractions and Olivia uses five subtractions. Show their possible calculations. 



- 5 Find the missing number.

$$702 \div \square = 27$$

**CHALLENGE**

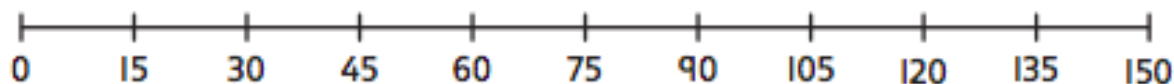
Reflect

Show how you can check that $552 \div 23 = 24$.



Dividing numbers up to 4 digits by a 2-digit number 4

1 Work out these divisions. Use the number line to help you.



a) $15 \overline{) 735}$

b) $15 \overline{) 1890}$

c) $15 \overline{) 5610}$



2 There are 1,331 footballers at a football tournament. There are 11 players in each team. How many teams will there be?

$1,331 \div 11 = \square$



Dividing numbers up to 4 digits by a 2-digit number ⑤

1 Emma and Aki are discussing divisions. Show who is correct.

Emma



When I divide 100 by 13 I get a remainder of 9, so when I divide 100 by 14, the remainder will be 10.

Aki



When I divide 100 by 13 I get a remainder of 9, so when I divide 101 by 13 I will get a remainder of 10.



2 Andy has 200 football stickers for his album. It takes 15 stickers to fill one page. How many pages can he fill? How many stickers will be left over?



- 3** Draw lines to match each division to a remainder. Some remainders belong to more than one division.

$450 \div 20$

$301 \div 10$

$955 \div 50$

$685 \div 25$

$335 \div 33$

1

5

10



- 4** Complete these divisions, including any remainders.

a) $300 \div 11 = \square$

c) $750 \div 17 = \square$

b) $300 \div 31 = \square$

d) $850 \div 17 = \square$



- 5 A ranger at a wildlife reserve needs 475 kg of bird seed to make feeders. The seed comes in bags of 35 kg. How many bags will the ranger need to buy?



- 6 Complete this division so that it has a remainder of 40. Explain your thinking.

$$\square \div 41$$

CHALLENGE

Reflect

Reena works out $300 \div 21$ by dividing by 3 and then dividing by 7. She says the remainder is 2, because $100 \div 7$ has a remainder of 2.

Is Reena correct? Explore her method and explain what you find.

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