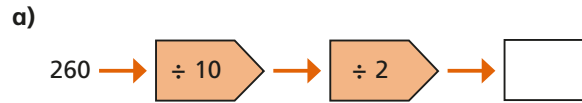
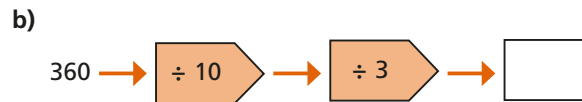


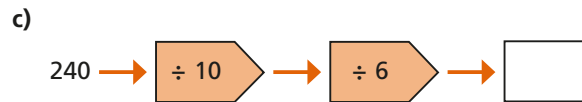
1 Complete the divisions using factors.



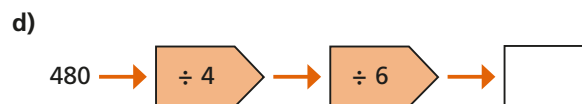
$$260 \div 20 = \square$$



$$360 \div 30 = \square$$



$$240 \div \square = \square$$



$$480 \div \square = \square$$

2 Jack and Rosie are calculating  $816 \div 48$

Jack divides by 8 and then by 6

Rosie divides by 12 and then by 4

- Show that they get the same answer.
- Explain why Jack and Rosie get the same answer.
- Which is the easiest method? Why?

3 Mo and Dora are calculating  $2,560 \div 16$

Mo: I will divide by 10, then divide by 6

Dora: I will divide by 4, then divide by 4 again.

Who is correct? Show your workings.

4 Ron is calculating  $3,024 \div 36$

a) Which of these methods gives the correct answer?

$$3,024 \div 6 \div 6 \quad 3,024 \div 18 \div 18 \quad 3,024 \div 9 \div 4$$

b) What other methods could Ron use to calculate  $3,024 \div 36$ ?

5 Use factors to complete these divisions.

- $360 \div 40$
- $625 \div 25$
- $1,275 \div 15$
- $7,200 \div 18$

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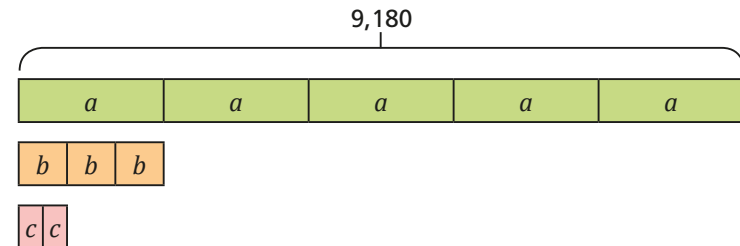
6 These divisions give the same answer.

Fill in the gaps.

$888 \div 8 \div 3$	$888 \div 6 \div \square$	$888 \div \square$	$888 \div 2 \div 6 \div \square$
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What is the answer?

7 a) Calculate the value of  $c$ .



b) How did you work this out? Compare methods with a partner.

8 Eva is thinking of a number.

I multiply it by 6, then multiply the answer by 8, then subtract 500. The result is 9,100

