(1) Use the arrays to complete the divisions.
a) $18 \div 6=$ $\square$

b) $18 \div 3 \div 2=$ $\square$ 000000
000000
00000

## What do you notice?

c) Complete the number sentence.

(2)

Use the array to complete the sentences.

(3) Use factors to complete the sentences.

None of your factors should be 1
a) $16 \div 8=16 \div$ $\square$
$\square$
b) $27 \div 9=27 \div$ $\square$
$\square$
c) $32 \div 4=32 \div$ $\square$ $\div \square$
d) $40 \div 8=40 \div \square \div$ $\qquad$ $\div \square$

Compare answers with a partner.
(4) Esther and Huan are using factors to work out $176 \div 8$

Complete their workings.


What do you notice?
(5) Use factors to work out the divisions.
a) $684 \div 4=$ $\square$
c) $496 \div 8=$ $\square$
b) $396 \div 6=$ $\square$
d) $855 \div 9=$ $\square$

6
Here are four different ways to work out $672 \div 6$
a) Complete the workings for each method.

## Method 1



Method 2
Factor pair of 6: 2 and 3
$672 \div 2=\square$


Method 3


Method 4

Which method did you prefer?
b) Use your preferred method to work out the divisions

$\square$
$468 \div 9=$ $\square$

Write the numbers in the table


Do any of the numbers go in more than one column?

8

## 12 divided by 4 is equal to 3

Use this fact to work out the divisions.
a) $1,200 \div 4=$ $\square$
c) $1,200 \div 40=$ $\square$
b) $120 \div 3=$ $\square$
d) $12,120 \div 30=$ $\square$
a) Fill in the single-digit missing number so that the division does not have a remainder.


How many ways can you find?
Compare answers with a partner.
b) Are there fewer or more solutions that have a remainder?

