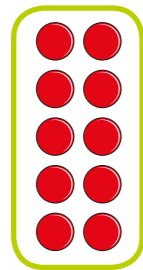


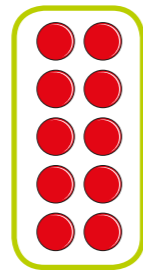
# Multiply 3 numbers

1 Tommy is making arrays using counters.

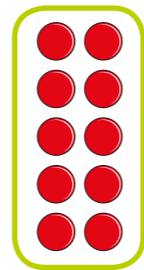
a) Complete the multiplications.



$$2 \times 5 = \square$$



$$2 \times 5 = \square$$



$$2 \times 5 = \square$$

b) Use your answer to part a) to complete the multiplication.

$$3 \times 2 \times 5 = \square \times 5 = \square$$

2 Use counters or cubes to complete the calculations.

a)  $2 \times 4 \times 5 = \square$

b)  $3 \times 5 \times 4 = \square$

c)  $2 \times 5 \times 8 = \square$

Is there a quick way to complete each calculation?

Talk about it with a partner.



3 Complete the multiplications.

a)  $3 \times 4 \times 5 = \square$

d)  $3 \times 5 \times 4 = \square$

b)  $2 \times 3 \times 8 = \square$

e)  $3 \times 6 \times 10 = \square$

c)  $2 \times 4 \times 7 = \square$

f)  $2 \times 5 \times 12 = \square$

4 Is each statement true or false?

Tick your answers.

	True	False
$7 \times 8 = 7 \times 4 \times 2$	<input type="checkbox"/>	<input type="checkbox"/>
$12 \times 4 = 2 \times 4 \times 6$	<input type="checkbox"/>	<input type="checkbox"/>
$3 \times 2 \times 8 = 5 \times 8$	<input type="checkbox"/>	<input type="checkbox"/>
$2 \times 7 \times 4 = 4 \times 7 \times 2$	<input type="checkbox"/>	<input type="checkbox"/>

Compare answers with a partner.

5 Here are some digit cards.



a) Use the digit cards to create a multiplication and work out the answer.

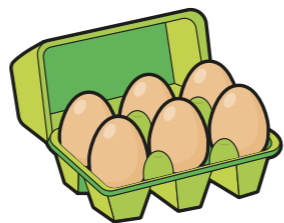
$$\square \times \square \times \square = \square$$

b) How many different multiplications can you create?

What do you notice about all of your answers?



- 6 Eggs are put in boxes in arrays of  $2 \times 3$   
Dani buys 12 boxes.  
How many eggs does she buy altogether?



Dani buys 5 more boxes.  
How many eggs does she have now?

- 7 a) Write 30 as the product of 3 numbers.

$$\square \times \square \times \square = 30$$

- b) How many different ways can you write the multiplication?

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- 8 Kim rolls three 6-sided dice.  
The product of her numbers is 60  
a) What numbers could she have rolled?

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- b) How many different ways could Kim have made 60?  
Talk about it with a partner.
- c) Roll three dice and find the product of the numbers  
you roll.

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- 9 In the library there are 5 bookcases.  
Each bookcase has 4 shelves.  
On each shelf there are 12 books.  
How many books are there in the library?

