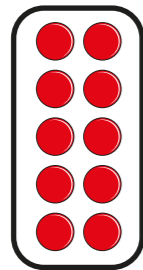


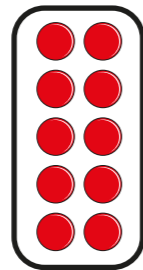
# Multiply three numbers

1 Tommy is making arrays using counters.

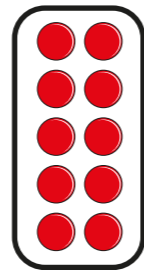
a) Complete the multiplications.



$2 \times 5 = \square$



$2 \times 5 = \square$



$2 \times 5 = \square$

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

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

2 Use counters or cubes to complete the multiplications.

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 multiplication?  
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.

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

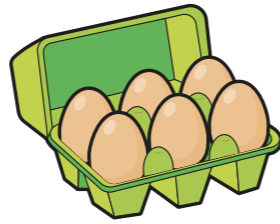
b) How many different multiplications can you create?  
What do you notice about all of your answers?



6 Eggs are put in boxes in arrays of  $2 \times 3$

Dani buys 12 boxes.

a) How many eggs does she buy altogether?



Dani buys 5 more boxes.

b) How many eggs does she have now?

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

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

b) Find all the possible ways to complete 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?

