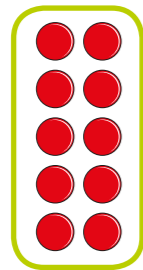


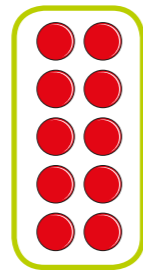
Multiply 3 numbers

1 Tommy is making arrays using counters.

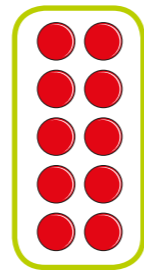
a) Complete the multiplications.



$$2 \times 5 = \boxed{10}$$



$$2 \times 5 = \boxed{10}$$



$$2 \times 5 = \boxed{10}$$

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

$$3 \times 2 \times 5 = \boxed{6} \times 5 = \boxed{30}$$

2 Use counters or cubes to complete the calculations.

a) $2 \times 4 \times 5 = \boxed{40}$

b) $3 \times 5 \times 4 = \boxed{60}$

c) $2 \times 5 \times 8 = \boxed{80}$

Is there a quick way to complete each calculation?

Talk about it with a partner.



3 Complete the multiplications.

a) $3 \times 4 \times 5 = \boxed{60}$

d) $3 \times 5 \times 4 = \boxed{60}$

b) $2 \times 3 \times 8 = \boxed{48}$

e) $3 \times 6 \times 10 = \boxed{180}$

c) $2 \times 4 \times 7 = \boxed{56}$

f) $2 \times 5 \times 12 = \boxed{120}$

4 Is each statement true or false?

Tick your answers.

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

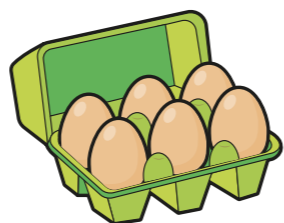
$$\boxed{3} \times \boxed{5} \times \boxed{6} = \boxed{90}$$

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 2×3
 Dani buys 12 boxes.
 How many eggs does she buy altogether?



72

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

102

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

$$\boxed{2} \times \boxed{3} \times \boxed{5} = 30$$

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

E.g. $1 \times 6 \times 5 = 30$

$3 \times 1 \times 10 = 30$



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

E.g. 2, 5, 6

- 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.

- 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?



240

