11 - 1 Multiplication-2
### Multiplication Facts of 6 (1)

Example There are 6 lemons on one plate. There are 3 plates. How many lemons are there altogether? Write a math sentence and find the answer.
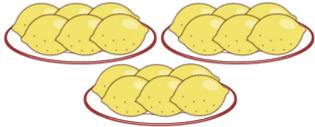
Math sentence $\boxed{6} \times \boxed{3} = \boxed{18}$

There are 6 chocolates in one box. Write multiplication math sentences and find the answers.

1. 1 box

$6 \times \boxed{} = \boxed{}$

2. 2 boxes

$\boxed{} \times \boxed{} = \boxed{}$

3. 3 boxes

4 boxes

$\boxed{} \times \boxed{} = \boxed{}$

4. $\boxed{} \times \boxed{} = \boxed{}$

5. There are 6 chocolates in one box. There are 5 boxes. $\boxed{} \times \boxed{} = \boxed{}$

6. There are 6 chocolates in one box. There are 6 boxes. $\boxed{} \times \boxed{} = \boxed{}$

7. There are 6 chocolates in one box. There are 7 boxes. $\boxed{} \times \boxed{} = \boxed{}$

8. There are 6 chocolates in one box. There are 8 boxes. $\boxed{} \times \boxed{} = \boxed{}$

9. There are 6 chocolates in one box. There are 6 boxes. $\boxed{} \times \boxed{} = \boxed{}$

×	1	2	3	4	5	6	7	8	9
6	6	12	18	24	30	36	42	48	54

Can you say the multiplication facts of 6 from $6 \times 9, 6 \times 8$....?

11 - 2 Multiplication-2
Multiplication Facts of 6 (2)

Example There are 6 donuts in one box. There are 3 boxes. How many donuts are there altogether?

Math Sentence: $6 \times 3 = 18$ Answer 18 donuts

Read the following questions. Write the math sentences and find the answers.

1. There are 6 eggs in one package. There are 5 packages. How many eggs are there altogether?

Math Sentence [ ]   Answer [ ] eggs

2. There are 6 apples in each box. There are 7 boxes. How many apples are there altogether?

Math Sentence [ ]   Answer [ ] apples
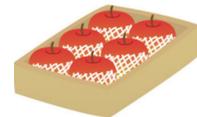
3. Six students make one group. There are 8 groups. How many students are there altogether?

Math Sentence [ ]   Answer [ ] students

4. There are 3 children. Each child has 6 pieces of candy. How many pieces of candy are there altogether?

Math Sentence [ ]   Answer [ ] pieces of candy

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11 – 3 Multiplication-2
Multiplication Facts of 7 (1)

Example There are 7 lemons on one plate. There are 2 plates. How many lemons are there altogether? Write a math sentence and find the answer.
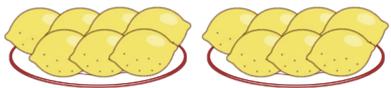
Math sentence $\boxed{7} \times \boxed{2} = \boxed{14}$

Seven pens are sold in one set. How many pens are there?
Write multiplication math sentences and find the answers.

① 1 set
$7 \times \boxed{} = \boxed{}$

② 2 sets
$\boxed{} \times \boxed{} = \boxed{}$

③ 3 sets
$\boxed{} \times \boxed{} = \boxed{}$

④ 4 sets
$\boxed{} \times \boxed{} = \boxed{}$

⑤ There are 5 sets. How many pens are there altogether?
$\boxed{} \times \boxed{} = \boxed{}$

⑥ There are 6 sets. How many pens are there altogether?
$\boxed{} \times \boxed{} = \boxed{}$

⑦ There are 7 sets. How many pens are there altogether?
$\boxed{} \times \boxed{} = \boxed{}$

⑧ There are 8 sets. How many pens are there altogether?
$\boxed{} \times \boxed{} = \boxed{}$

⑨ There are 9 sets. How many pens are there altogether?
$\boxed{} \times \boxed{} = \boxed{}$

×	1	2	3	4	5	6	7	8	9
7	7	14	21	28	35	42	49	56	63

Let's have a problem with friends, like "what is the answer to 7×8?"

11 - 4 Multiplication-2
Multiplication Facts of 7 (2)

Example There are 7 marbles in each bag. There are 3 bags. How many marbles are there altogether?

Math Sentence $7 \times 3 = 21$ Answer 21 marbles

Read the following questions. Write the math sentences and find the answers.

1 There are 7 fish in each tank. There are 8 tanks. How many fish are there altogether?

Math Sentence [   ]   Answer [   ] fish

2 There are 7 pieces of cakes in each box. There are 4 boxes. How many pieces of cake are there altogether?

Math Sentence [   ]   Answer [   ] pieces of cake

3 There are 7 mangoes in each basket. There are 5 baskets. How many mangoes are there altogether?

Math Sentence [   ]   Answer [   ] mangoes

4 There are 3 fishing boats. Seven fishermen are in each fishing boat. How many fishermen are there altogether?

Math Sentence [   ]   Answer [   ] fishermen

11 - 5 Multiplication-2
Multiplication Facts of 6 and 7

1 The following tables show the multiplication facts of 6 and 7. Write the numbers in the ☐.

×	1	2	3	4	5	6	7	8	9
6		12			30				
7			21				49		

Example Calculate the following multiplications.

① $6 \times 3 = \boxed{18}$ ② $7 \times 4 = \boxed{28}$

2 Calculate the following multiplications.

> You can do ①, ③, ⑤⋯ If you practice them repeatedly, you will surely be able to say them smoothly.

① $6 \times 3 = \boxed{}$ ② $7 \times 4 = \boxed{}$

③ $6 \times 7 = \boxed{}$ ④ $7 \times 1 = \boxed{}$

⑤ $6 \times 5 = \boxed{}$ ⑥ $7 \times 5 = \boxed{}$

⑦ $6 \times 2 = \boxed{}$ ⑧ $7 \times 7 = \boxed{}$

⑨ $6 \times 1 = \boxed{}$ ⑩ $7 \times 2 = \boxed{}$

⑪ $6 \times 6 = \boxed{}$ ⑫ $7 \times 6 = \boxed{}$

⑬ $6 \times 8 = \boxed{}$ ⑭ $7 \times 3 = \boxed{}$

⑮ $6 \times 4 = \boxed{}$ ⑯ $7 \times 9 = \boxed{}$

⑰ $6 \times 9 = \boxed{}$ ⑱ $7 \times 8 = \boxed{}$

Multiplication Facts of 8 (1)

Example There are 8 carrots in one basket. There are 2 baskets. How many carrots are there altogether? Write a math sentence and find the answer.

Math sentence $8 \times 2 = 16$

There are 8 pieces of bread in one package. How many pieces of bread are there? Write multiplication math sentences and find the answers.

1 1 package　　　　　　　　　$8 \times \boxed{} = \boxed{}$
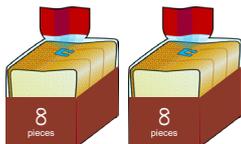
2 2 packages　　　　　　　　$\boxed{} \times \boxed{} = \boxed{}$
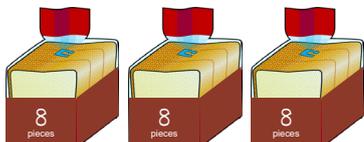
3 3 packages　　　　　　　　$\boxed{} \times \boxed{} = \boxed{}$
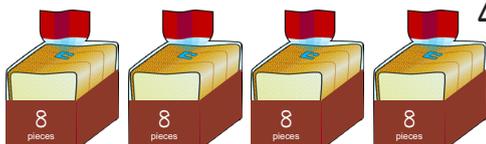
4 4 packages　　　　　　　　$\boxed{} \times \boxed{} = \boxed{}$

5 There are 5 packages. How many pieces of bread are there altogether?　$\boxed{} \times \boxed{} = \boxed{}$

6 There are 6 packages. How many pieces of bread are there altogether?　$\boxed{} \times \boxed{} = \boxed{}$

7 There are 7 packages. How many pieces of bread are there altogether?　$\boxed{} \times \boxed{} = \boxed{}$

8 There are 8 packages. How many pieces of bread are there altogether?　$\boxed{} \times \boxed{} = \boxed{}$

9 There are 9 packages. How many pieces of bread are there altogether?　$\boxed{} \times \boxed{} = \boxed{}$

×	1	2	3	4	5	6	7	8	9
8	8	16	24	32	40	48	56	64	72

Let's have a problem with friends, like "what is the answer to 8×5?"

11 - 7 Multiplication-2
Multiplication Facts of 8 (2)

Example There are 8 cans of juice in one box. There are 3 sets. How many cans of juice are therealtogether?

Math Sentence $8 \times 3 = 24$ Answer 24 cans of juice

Read the following questions. Write the math sentences and find the answers.

1 There are 8 buttons in one package. There are 6 packages. How many buttons are there altogether?

Math Sentence ☐ Answer ☐ buttons

2 There are 8 pencils in each case. There are 5 cases. How many pencils are there altogether?

Math Sentence ☐ Answer ☐ pencils

3 There are 8 photos on each page of the album. This album has 7 pages. How many photos are there in this album altogether?

Math Sentence ☐ Answer ☐ photos

4 There are 4 boats. Eight people are in each boat. How many people are on the boats altogether?

Math Sentence ☐ Answer ☐ people

11 - 8

Multiplication-2

## Multiplication Facts of 9 (1)

Example There are 9 carrots in one basket. There are 2 baskets. How many carrots are there altogether? Write a math sentence and find the answer.

Math sentence 9 × 2 = 18

There are 9 chocolates in one box. How many chocolates are there? Write multiplication math sentences and find the answers.

1 1 box 9 × ☐ = ☐

2 2 boxes ☐ × ☐ = ☐

3 3 boxes ☐ × ☐ = ☐

4 boxes

4 ☐ × ☐ = ☐

5 There are 5 boxes.
How many chocolates are there altogether? ☐ × ☐ = ☐

6 There are 6 boxes.
How many chocolates are there altogether? ☐ × ☐ = ☐

7 There are 7 boxes.
How many chocolates are there altogether? ☐ × ☐ = ☐

8 There are 8 boxes.
How many chocolates are there altogether? ☐ × ☐ = ☐

9 There are 9 boxes.
How many chocolates are there altogether? ☐ × ☐ = ☐

×	1	2	3	4	5	6	7	8	9
9	9	18	27	36	45	54	63	72	81

In the group, let's have a problem. Who can give the correct answer fast?

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JICA_2年_本誌_P110-131.indd 117 2022/02/25 14:38:02

11 – 9 Multiplication-2
Multiplication Facts of 9 (2)

Example There are 9 sweets in one box. There are 3 boxes. How many sweets are there altogether?

Math Sentence $\boxed{9 \times 3 = 27}$ Answer $\boxed{27}$ sweets

Read the following questions. Write the math sentences and find the answers.

1 Nine people are lined up in each row. There are 2 rows. How many people are there altogether?

Math Sentence _____ Answer ____ people

2 There are 9 marbles in each package. There are 5 packages. How many marbles are there altogether?

Math Sentence _____ Answer ____ marbles

3 There are 9 students in each group. There are 6 groups. How many students are there altogether?

Math Sentence _____ Answer ____ students

4 There are 4 boats in the sea. Nine people are on each boat. How many people are there on the boats altogether?

Math Sentence _____ Answer ____ people

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Multiplication Facts of 1

Example There is 1 carrot on one plate. There are 3 plates. How many carrots are there altogether? Write a math sentence and find the answer.
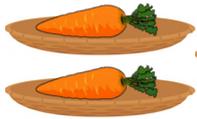
Math sentence $\boxed{1} \times \boxed{3} = \boxed{3}$

There is 1 melon in one box. Write multiplication math sentences and find the answers.

1. 1 box

$1 \times \boxed{} = \boxed{}$
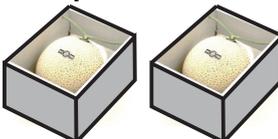
2. 2 boxes

$\boxed{} \times \boxed{} = \boxed{}$

3. 3 boxes

$\boxed{} \times \boxed{} = \boxed{}$

4. 4 boxes

$\boxed{} \times \boxed{} = \boxed{}$

5. There is 1 melon in one box. There are 5 boxes.

$\boxed{} \times \boxed{} = \boxed{}$

6. There is 1 melon in one set. There are 6 boxes.

$\boxed{} \times \boxed{} = \boxed{}$

7. There is 1 melon in one set. There are 7 boxes.

$\boxed{} \times \boxed{} = \boxed{}$

8. There is 1 melon in one set. There are 8 boxes.

$\boxed{} \times \boxed{} = \boxed{}$

9. There is 1 melon in one set. There are 9 boxes.

$\boxed{} \times \boxed{} = \boxed{}$

×	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	7	8	9

The multiplication facts of 1 is very easy, isn't it?

11 – 11 Multiplication-2
Multiplication Facts of 8 and 9

1 The following table shows the multiplication facts of 8 and 9. Write the numbers in the ☐ .

×	1	2	3	4	5	6	7	8	9
8					40				
9			27				63		

Example Calculate the following multiplications.

1 $8 \times 3 = \boxed{24}$ **2** $9 \times 5 = \boxed{45}$

You can do **1**, **3**, **5**… Let's practice them many times.

2 Calculate the following multiplications.

1 $8 \times 3 = \boxed{}$ **2** $9 \times 4 = \boxed{}$

3 $8 \times 7 = \boxed{}$ **4** $9 \times 1 = \boxed{}$

5 $8 \times 5 = \boxed{}$ **6** $9 \times 5 = \boxed{}$

7 $8 \times 2 = \boxed{}$ **8** $9 \times 7 = \boxed{}$

9 $8 \times 1 = \boxed{}$ **10** $9 \times 2 = \boxed{}$

11 $8 \times 6 = \boxed{}$ **12** $9 \times 6 = \boxed{}$

13 $8 \times 8 = \boxed{}$ **14** $9 \times 3 = \boxed{}$

15 $8 \times 4 = \boxed{}$ **16** $9 \times 9 = \boxed{}$

17 $8 \times 9 = \boxed{}$ **18** $9 \times 8 = \boxed{}$

11 – 12　Multiplication-2

Multiplication Facts of 7 and 8

1 The following table shows the multiplication facts of 7 and 8.　Write the numbers in the ☐.

×	1	2	3	4	5	6	7	8	9
7				28			49		
8					40				

Example Calculate the following multiplications.

① $7 \times 5 = \boxed{35}$　　　　② $8 \times 2 = \boxed{16}$

> You can do ①, ③, ⑤…Let's say them smoothly without looking at the answer.

2 Calculate the following multiplications.

① $7 \times 3 = \boxed{}$　　　② $8 \times 4 = \boxed{}$

③ $7 \times 7 = \boxed{}$　　　④ $8 \times 1 = \boxed{}$

⑤ $7 \times 5 = \boxed{}$　　　⑥ $8 \times 5 = \boxed{}$

⑦ $7 \times 2 = \boxed{}$　　　⑧ $8 \times 7 = \boxed{}$

⑨ $7 \times 1 = \boxed{}$　　　⑩ $8 \times 2 = \boxed{}$

⑪ $7 \times 6 = \boxed{}$　　　⑫ $8 \times 6 = \boxed{}$

⑬ $7 \times 8 = \boxed{}$　　　⑭ $8 \times 3 = \boxed{}$

⑮ $7 \times 4 = \boxed{}$　　　⑯ $8 \times 9 = \boxed{}$

⑰ $7 \times 9 = \boxed{}$　　　⑱ $8 \times 8 = \boxed{}$

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11 – 13 Multiplication-2
Multiplication Facts of 4 and 7

1 The following table shows the multiplication facts of 4 and 7. Write the numbers in the ☐.

×	1	2	3	4	5	6	7	8	9
4						24			
7			21				49		

Example Calculate the following multiplications.

① 4 × 3 = 12

② 7 × 4 = 28

You can do ①, ③, ⑤ ⋯ Hide the answers and practice them repeatedly.

2 Calculate the following multiplications.

① 4 × 5 =

② 7 × 4 =

③ 4 × 8 =

④ 7 × 1 =

⑤ 4 × 3 =

⑥ 7 × 5 =

⑦ 4 × 2 =

⑧ 7 × 7 =

⑨ 4 × 6 =

⑩ 7 × 2 =

⑪ 4 × 1 =

⑫ 7 × 6 =

⑬ 4 × 7 =

⑭ 7 × 3 =

⑮ 4 × 9 =

⑯ 7 × 9 =

⑰ 4 × 4 =

⑱ 7 × 8 =

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11 – 14 Multiplication-2
Multiplication Problems

Example There are 6 donuts in one box. There are 5 boxes. How many donuts are there altogether?

Math Sentence $6 \times 5 = 30$ Answer 30 donuts

Read the following questions. Write the math sentences and find the answers.

1 There are 8 donuts in one box. There are 6 boxes. How many donuts are there altogether?

Math Sentence [ ] Answer [ ] donuts

2 Six children are sitting on each bench. There are 7 benches. How many children are there altogether?

Math Sentence [ ] Answer [ ] children

3 Each minibus can hold 9 people. There are 4 minibuses. How many people can be held altogether?

Math Sentence [ ] Answer [ ] people

4 There are 7 children. I am going to give 3 pieces of candy to each child. How many pieces of candy do I need?

Math Sentence [ ] Answer [ ] pieces of candy

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11 – 15 Multiplication-2 Times as Much and Multiplication

Example Answer the following problems.

(A)
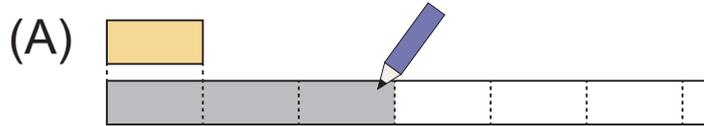
① Colour in the tape so that it is 3 times as long as (A).

② The length of tape (A) is 2 cm. How many cm is the tape that you coloured?

Math Sentence $2 \times 3 = 6$ Answer 6 cm

1 Answer the following problems.

(B)
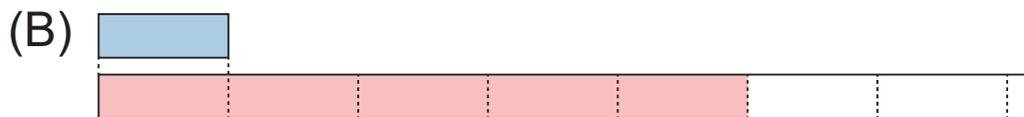
① Colour in the tape so that it is 5 times as long as (B).

② The length of tape (B) is 4 cm. How many cm is the tape that you coloured?

Math Sentence [ ] Answer [ ] cm

2 A toy train is 4 cm long.

4 cm
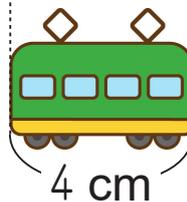
① How many cm are 2 trains together?

Math Sentence [ ] Answer [ ] cm

② How many cm are 3 trains together?

Math Sentence [ ] Answer [ ] cm

The Multiplication Table (1)

Instruction

Multiplication Math Sentence:

Number of objects in each group	×	Number of groups	=	Total number of objects
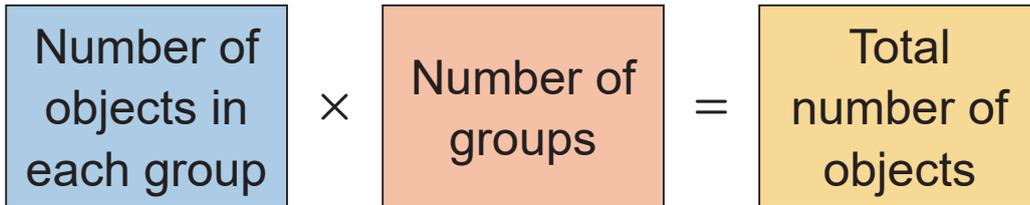
Write the numbers in the following multiplication table.

You can do the Facts of 1, Facts of 2, Facts of 3….
For example 1 × 1 = 1, 1 × 2 = 2, 1 × 3 = 3,…..

		Multipliers								
		1	2	3	4	5	6	7	8	9
Facts of 1	1	1	2	3	4	5	6	7	8	9
Facts of 2	2	2	4	6	8	10	12	14	16	18
Facts of 3	3	3	6	9	12	15	18	21	24	27
Facts of 4	4	4	8	12	16	20	24	28	32	36
Facts of 5	5	5	10	15	20	25	30	35	40	45
Facts of 6	6	6	12	18	24	30	36	42	48	54
Facts of 7	7	7	14	21	28	35	42	49	56	63
Facts of 8	8	8	16	24	32	40	48	56	64	72
Facts of 9	9	9	18	27	36	45	54	63	72	81

(Multiplicands)

The Multiplication Table (2)

Example Find the multiplication sentences that match 18.

Arrange 18 dots in various ways.
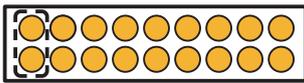
$2 \times 9 = 18$
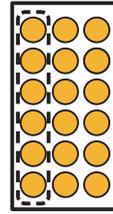
$3 \times 6 = 18$

$6 \times 3 = 18$
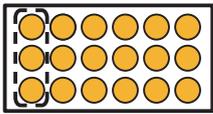
$9 \times 2 = 18$

1 Find the multiplication sentences that match 12.
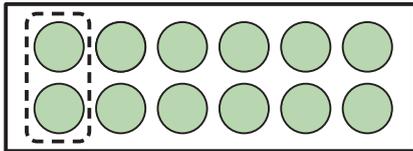
There can be these arrangements. What else are there?
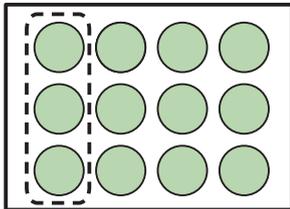
$\boxed{} \times \boxed{} = 12$

$\boxed{} \times \boxed{} = 12$

$\boxed{} \times \boxed{} = 12$

$\boxed{} \times \boxed{} = 12$

2 Find the multiplication sentences that match 24.

There is this arrangement. What else are there?

$\boxed{} \times \boxed{} = 24$

$\boxed{} \times \boxed{} = 24$

$\boxed{} \times \boxed{} = 24$

$\boxed{} \times \boxed{} = 24$
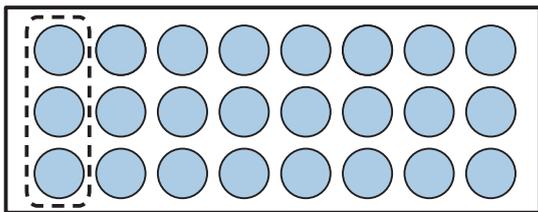
Multiplication-2

Making Multiplication Problems

**Example** Look at the picture and make a multiplication problem. Then write a math sentence and find the answer.

Multiplication problem

There are 5 donuts on one plate. There are 3 plates. How many donuts are there altogether?

Math Sentence $5 \times 3 = 15$ Answer 15 donuts

Look at the following pictures and make multiplication problems. Then write math sentences and find the answers.

1
7 pens 7 pens 7 pens
7 pens 7 pens 7 pens

Multiplication problem

Math Sentence ___ Answer ___ pens

2
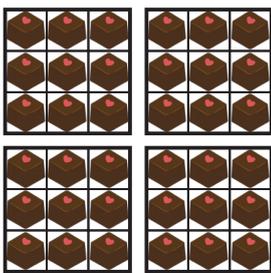
Multiplication problem

Math Sentence ___ Answer ___ chocolates

Problems

Example How many chocolates are in the box altogether?
Think about different ways to find the answer.
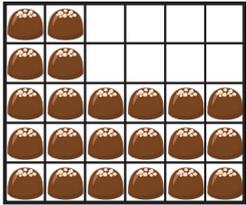
Method 1
2 groups of 2 make 2×2.
3 groups of 6 make 6×3.
$2 \times 2 = 4$ and $6 \times 3 = 18$.
$4 + 18 = 22$. **22 chocolates**
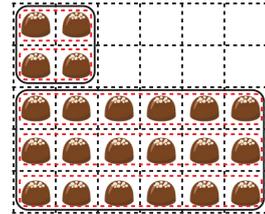
Method 2
5 groups of 2 make 2×5.
3 groups of 4 make 4×3.
$2 \times 5 = 10$ and $4 \times 3 = 12$.
$10 + 12 = 22$. **22 chocolates**
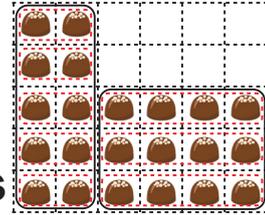
Method 3
5 groups of 6 make 6×5.
2 groups of 4 make 4×2.
$6 \times 5 = 30$ and $4 \times 2 = 8$.
$30 - 8 = 22$. **22 chocolates**
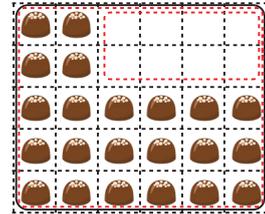
**1** How many sweets are in the box altogether?
Think about different ways to find the answer.
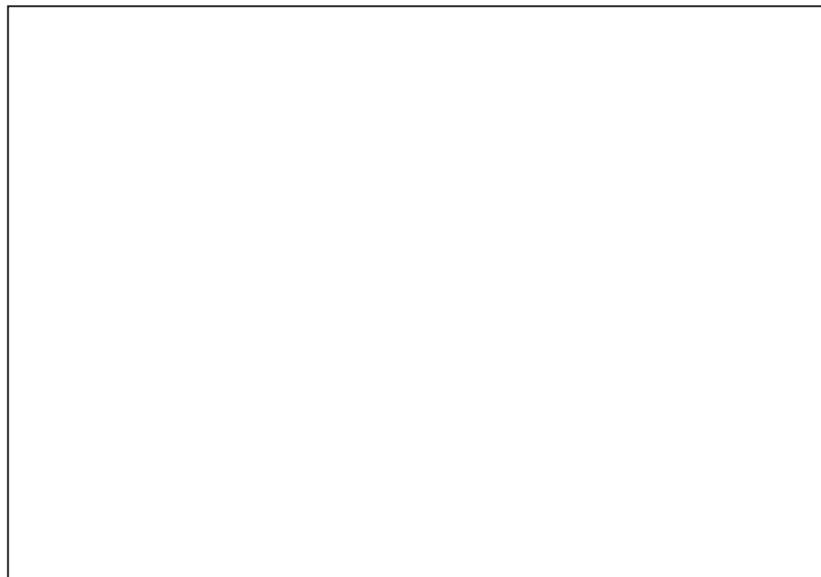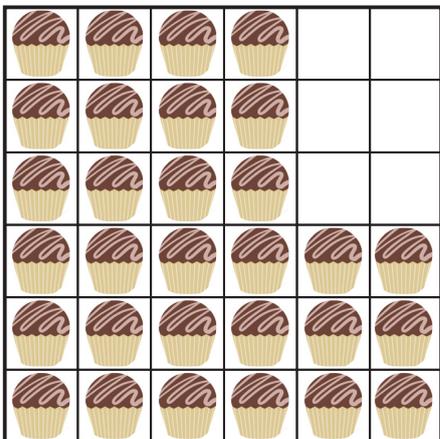
2 How many stars (⭐) are there altogether?
Think about different ways to find the answer.
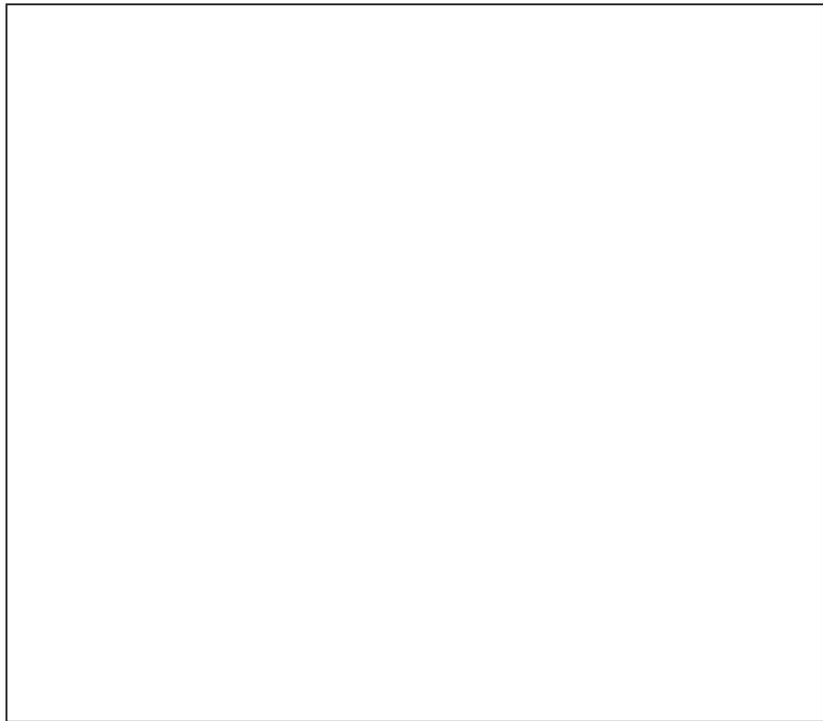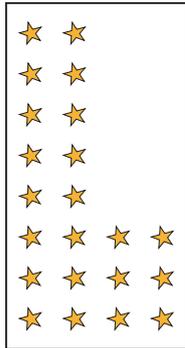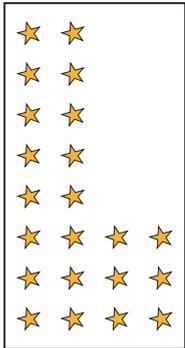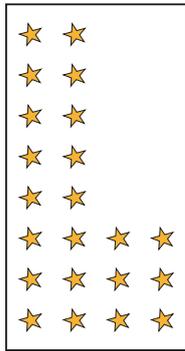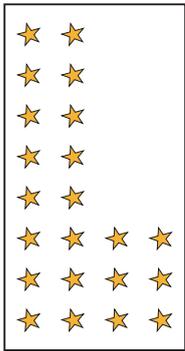
3 How many star marks (⭐) are there altogether?
Think about different ways to find the answer.
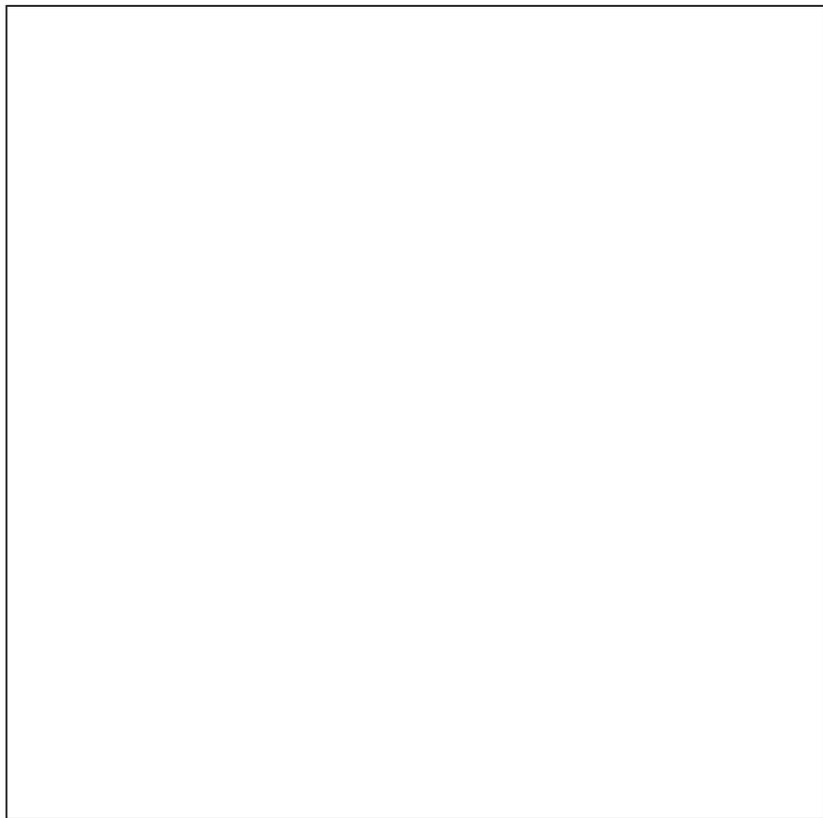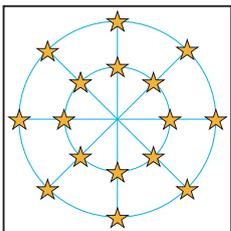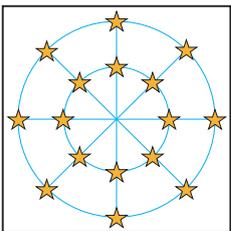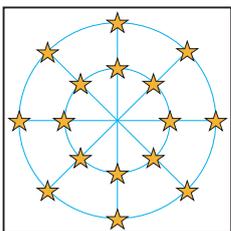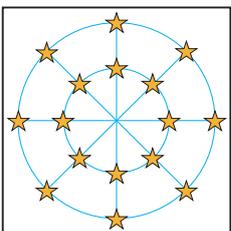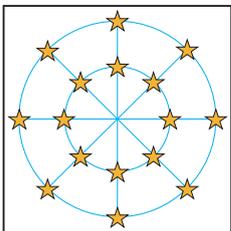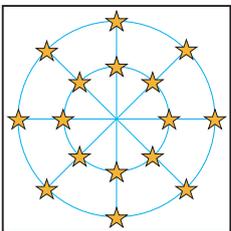
Review

1 The following is the multiplication table. Write the numbers in the blanks.

×	1	2	3	4	5	6	7	8	9
1									
2									
3									
4									
5									
6									
7									
8									
9									

3 Calculate the following multiplications.

1 $6 × 3 = \boxed{}$　　2 $7 × 2 = \boxed{}$　　3 $9 × 2 = \boxed{}$

4 $8 × 1 = \boxed{}$　　5 $9 × 4 = \boxed{}$　　6 $9 × 7 = \boxed{}$

7 $8 × 3 = \boxed{}$　　8 $6 × 5 = \boxed{}$　　9 $9 × 8 = \boxed{}$

10 $7 × 4 = \boxed{}$　　11 $8 × 5 = \boxed{}$　　12 $7 × 7 = \boxed{}$

13 $6 × 4 = \boxed{}$　　14 $7 × 9 = \boxed{}$　　15 $8 × 6 = \boxed{}$

2 Read the following questions. Write the math sentences and find the answers.

1 There are 7 peanuts in each bag. There are 6 bags. How many peanuts are there altogether?

Math Sentence ⬚ Answer ⬚ peanuts

2 There are 6 pens in one set. There are 4 sets. How many pens are there altogether?

Math Sentence ⬚ Answer ⬚ pens

3 Answer the following questions.

(A)
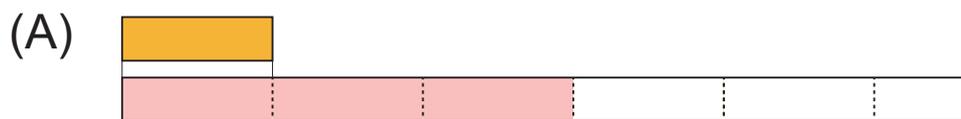
1 Colour in the tape so that it is 3 times as long as (A).

2 The length of tape (A) is 3 cm. How many cm is the tape that you coloured?

Math Sentence ⬚ Answer ⬚ cm

4 How many sweets are in the box altogether?
Think about different ways to find the answer.

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