

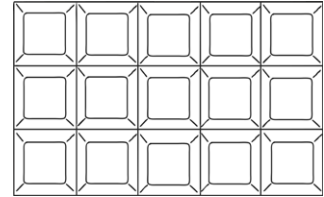
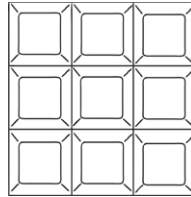
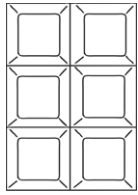


# Chocolate Bars

I can use multiplication and division facts to solve missing number problems.

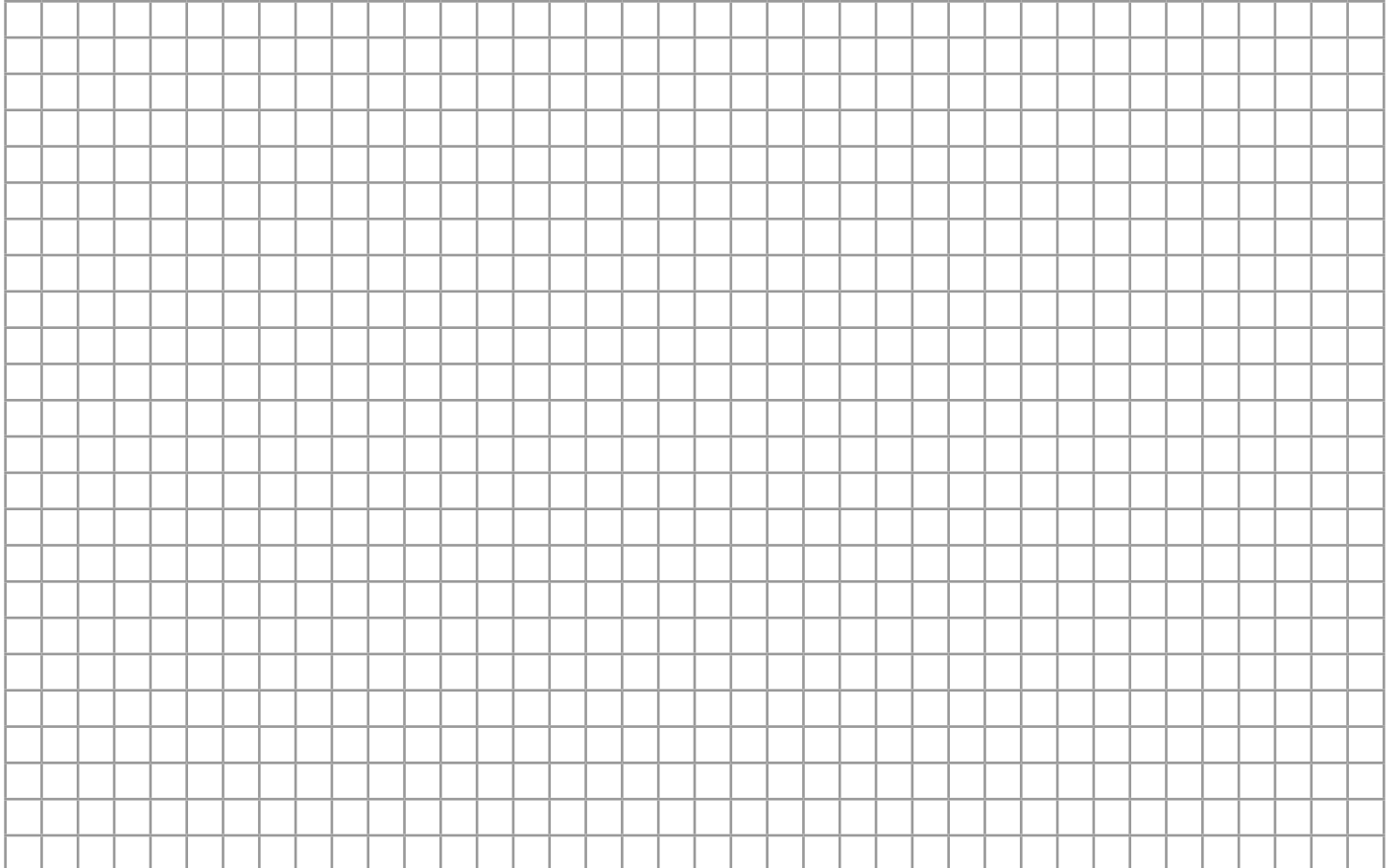


The pieces of chocolate in chocolate bars are arranged into equal rows so that they are squares or rectangles.



If you had **12 pieces** of chocolate in your bar, how many different ways could you arrange your pieces to make squares or rectangles?

Draw your ideas here:





# Chocolate Bars

Can you solve these missing number puzzles? Sketch out the bars of chocolate if it helps you.

1. If there are 40 pieces of chocolate in my bar how many rows of 5 do I have?

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2. If there are 20 pieces of chocolate in my bar how many rows of 4 do I have?

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3. If there are 16 pieces of chocolate in my bar how many rows of 2 do I have?

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4. If there are 24 pieces of chocolate in my bar how many rows of 4 do I have?

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5. If there are 21 pieces of chocolate in my bar how many rows of 3 do I have?

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Sketch out the bars of chocolate if it helps you.

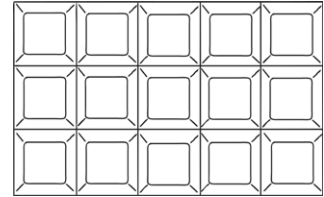
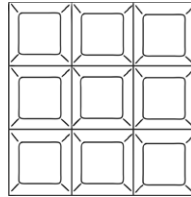
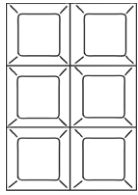


# Chocolate Bars

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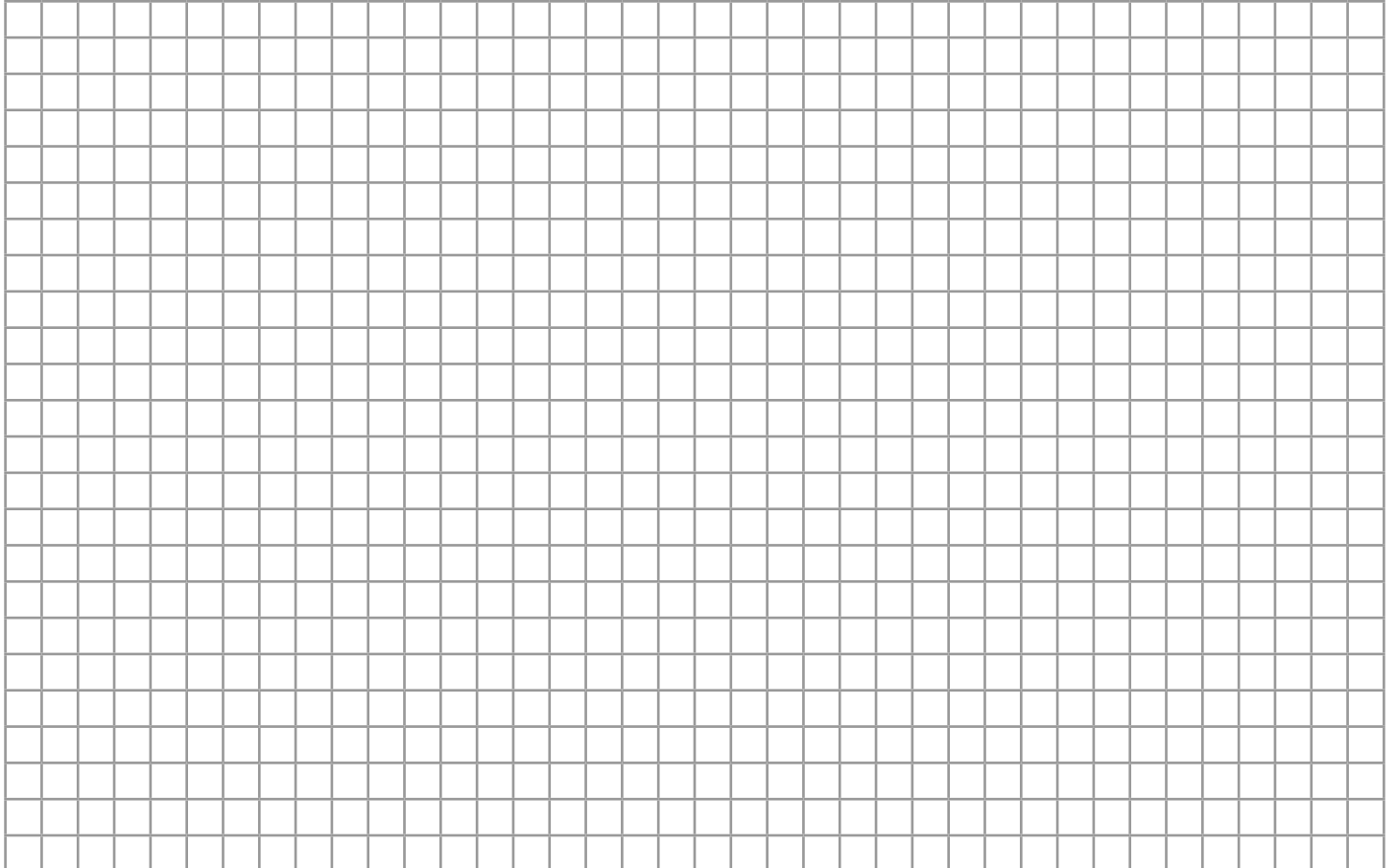


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If you had **24 pieces** of chocolate in your bar, how many different ways could you arrange your pieces to make squares or rectangles?

Draw your ideas here:





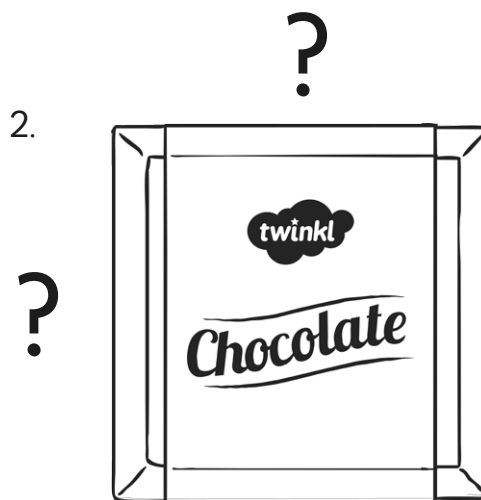
# Chocolate Bars

Can you find the missing numbers on these chocolate bar designs?

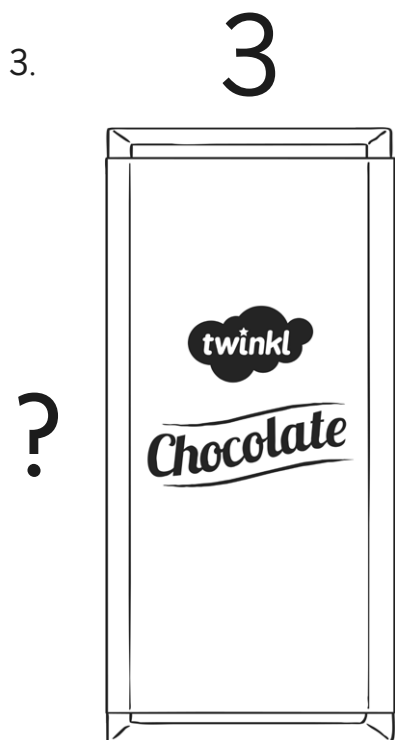
Write the answers in the boxes below each bar



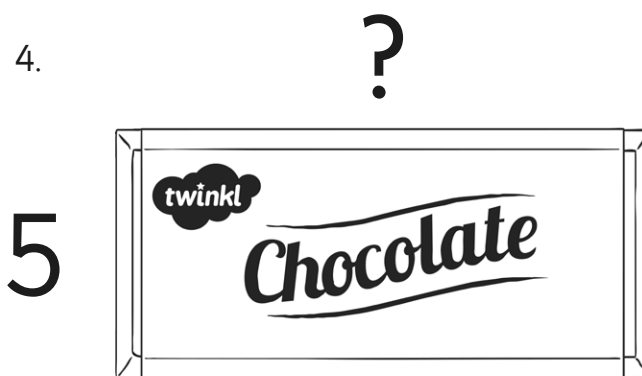
Total pieces: 18



Total pieces: 16



Total pieces: 21



Total pieces: 40

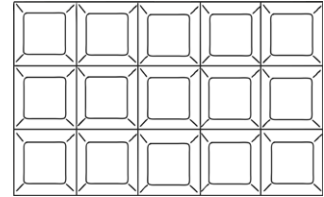
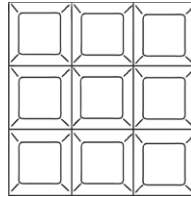
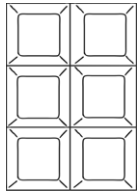


# Chocolate Bars

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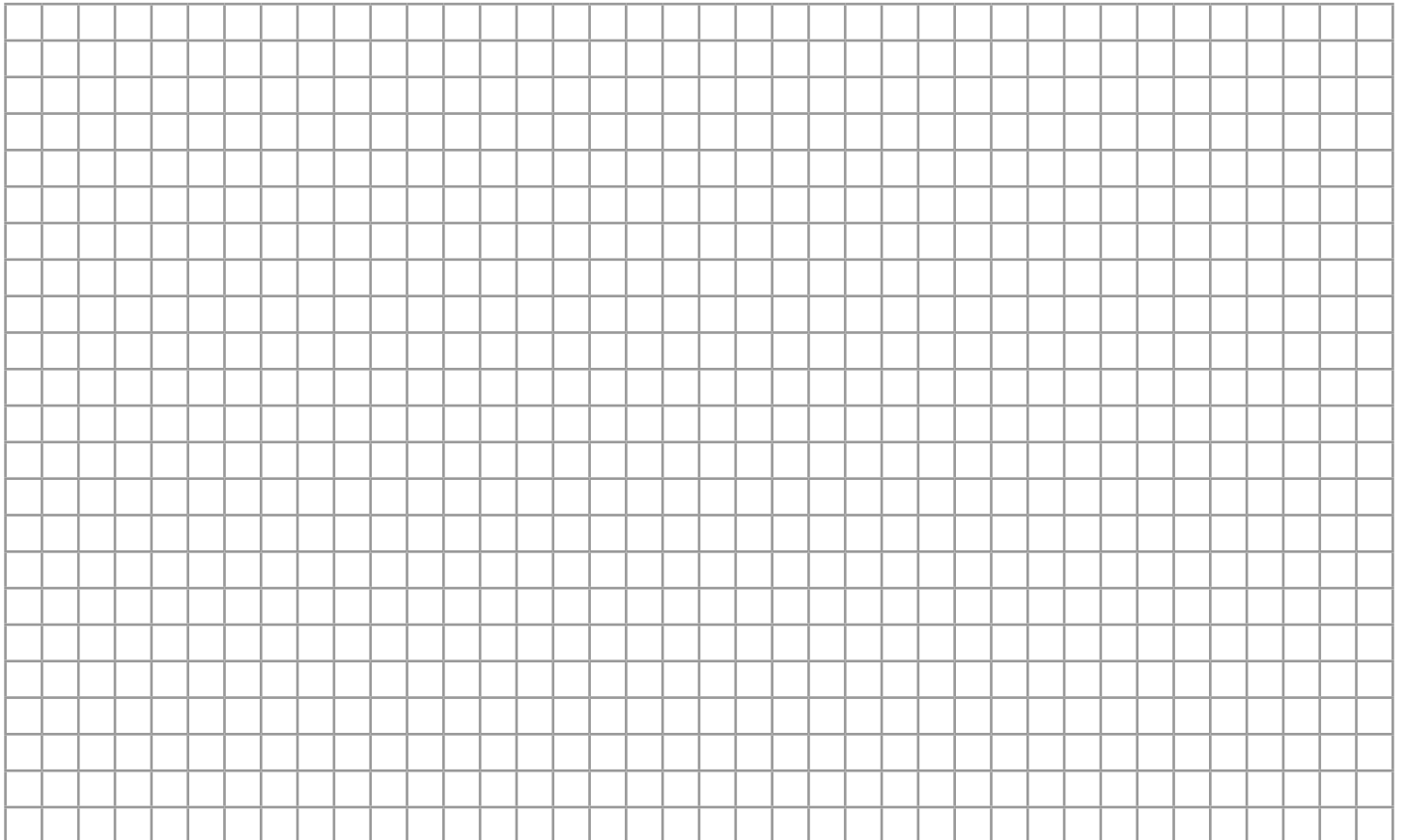


If you had **24 pieces** of chocolate in your bar, how many different ways could you arrange your pieces to make squares or rectangles?

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Draw your ideas here:

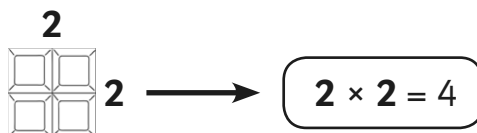




# Chocolate Bars

## Square Chocolate Bar Challenge

Find out the total number of pieces for every possible square chocolate bar up to 100 pieces. Complete the table below.



Number of pieces in each row and column.	Total number of pieces in the bar.
2	4
3	
4	
5	
6	
7	
8	
9	
10	



# Chocolate Bars Answers

If you had **12 pieces** of chocolate in your bar, how many different ways could you arrange your pieces to make squares or rectangles?

**$2 \times 6$ ,  $6 \times 2$ ,  $3 \times 4$ ,  $4 \times 3$**

Can you solve these missing number puzzles? Sketch out the bars of chocolate if it helps you.

1. **8**

2. **5**

3. **8**

4. **6**

5. **7**



If you had **24 pieces** of chocolate in your bar, how many different ways could you arrange your pieces to make squares or rectangles?

**$12 \times 2$ ,  $2 \times 12$ ,  $4 \times 6$ ,  $6 \times 4$ ,  $8 \times 3$ ,  $3 \times 8$ .**

Can you find the missing numbers on these chocolate bar designs? *Write the answers in the boxes below each bar*

1. **9**

2. **4**

3. **7**

4. **8**



# Chocolate Bars Answers

If you had **24 pieces** of chocolate in your bar, how many different ways could you arrange your pieces to make squares or rectangles?

**12 × 2, 2 × 12, 4 × 6, 6 × 4, 8 × 3, 3 × 8.**

Number of pieces in each row and column.	Total number of pieces in the bar.
2	4
3	9
4	16
5	25
6	36
7	49
8	64
9	81
10	100