



GRADE 2 / WATCH MR DJ SOLVE

PARTITIONING RECTANGLES INTO SQUARES

Start with the same example used in the lesson slides.

**WATCH MR DJ SOLVE****Partition a rectangle into 2 rows and 3 columns of same-size squares. Count them.**

- 1** Draw equally spaced row lines.
- 2** Draw equally spaced column lines.
- 3** Count every small square.

Answer: **6 squares; $3+3=6$.****REMEMBER** partition rectangles into rows and columns of same-size squares and count the squares.

Read each step and explain why it is valid. The next pages demonstrate the methods in more detail. Then use the large work areas on the numbered practice pages.



GRADE 2 / WORKED METHODS

PARTITIONING RECTANGLES INTO SQUARES

Read a complete example before trying the matching method.

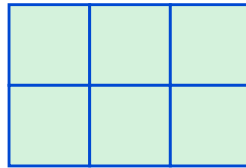


Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Rows and columns

2 rows of 3 squares make 6

1. Use equally spaced lines.
2. Count three squares in each row.
3. $3+3=6$ squares.



2 rows of 3; $3+3 = 6$



GRADE 2 / WORKED METHODS

PARTITIONING RECTANGLES INTO SQUARES

Read a complete example before trying the matching method.

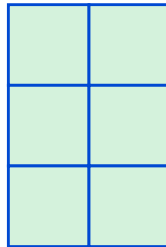


Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Count after a turn

3 rows of 2 squares make 6

1. Turn the rectangle.
2. Now each row has two squares.
3. $2+2+2=6$ squares.



3 rows of 2; $2+2+2 = 6$



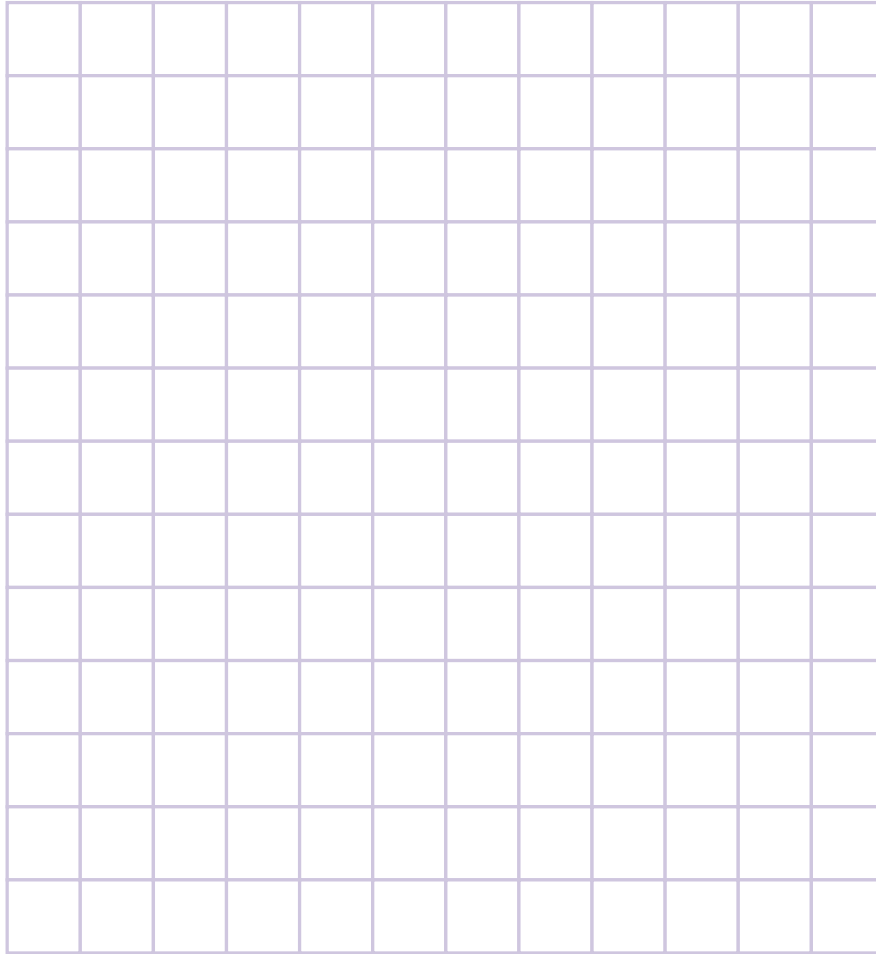
GRADE 2 / MATHEMATICAL WORK TOOL

PARTITIONING RECTANGLES INTO SQUARES

Draw, label and explain.



Draw and label a picture. Count every object once.





GRADE 2 / PRACTICE

PARTITIONING RECTANGLES INTO SQUARES

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔼 Mild

1. A rectangle has 2 rows of 3 same-size squares. Write an adding equation.

My answer / conclusion: _____



GRADE 2 / PRACTICE

PARTITIONING RECTANGLES INTO SQUARES

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

◀ Mild

2. Partition another rectangle into 3 rows and 2 columns. Count its squares.

My answer / conclusion: _____



GRADE 2 / PRACTICE

PARTITIONING RECTANGLES INTO SQUARES

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

◀ Medium

3. One row has 3 squares. How many are in 3 equal rows?

My answer / conclusion: _____



GRADE 2 / PRACTICE

PARTITIONING RECTANGLES INTO SQUARES

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

◀ Medium

4. A rectangle has 2 rows of 3 squares. Color one row. How many squares are not colored?

My answer / conclusion: _____



GRADE 2 / PRACTICE

PARTITIONING RECTANGLES INTO SQUARES

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

◀ Medium

5. Draw 6 squares in a rectangle. Label the number of rows and columns.

My answer / conclusion: _____



GRADE 2 / PRACTICE

PARTITIONING RECTANGLES INTO SQUARES

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔥🔥🔥 Spicy

6. Digit makes 2 rows but gives one row 4 squares and the others 3. Is it a full rectangular grid?

My answer / conclusion: _____



GRADE 2 / PRACTICE

PARTITIONING RECTANGLES INTO SQUARES

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔥🔥🔥 Spicy

7. Why can you count 2 rows of 3 by adding 3 exactly 2 times?

My answer / conclusion: _____



GRADE 2 / PRACTICE

PARTITIONING RECTANGLES INTO SQUARES

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

Extra Spicy

8. Turn your 2-by-3 grid. Explain what changes and what stays.

My answer / conclusion: _____