Area Concepts

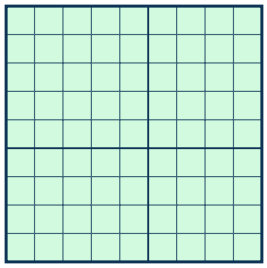
Grade 3 Math Worksheet - Challenge Me

PencilGo

Name _____ Date _____

Circle the answer, or write the answer on the line.

1. This square floor is covered with unit tiles. What is its area?

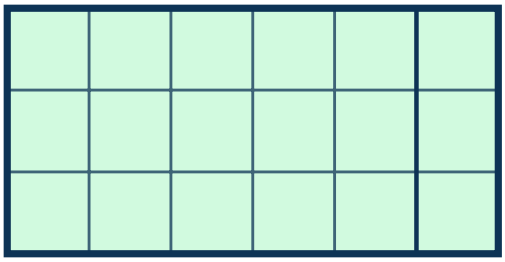


81 square units 18 square units 36 square units 32 square units

2. Which has the greater area: a 6 by 4 rectangle or a 5 by 5 square?

They have the same area
The square, by 1 square unit
The rectangle, by 2 square units
The rectangle, by 1 square unit

3. This picture shows one part of an L-shaped rug. The other part is a 2 by 4 rectangle. What is the area of the whole rug?

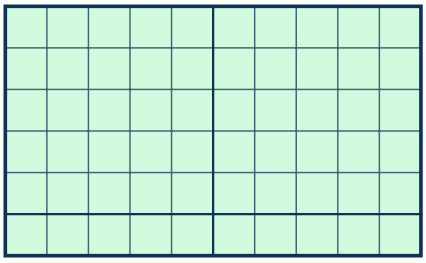


18 square units 24 square units 26 square units 15 square units

4. A rectangle has an area of 36 square units. One side is 4 units long. How long is the other side?

9 units 8 units 32 units 18 units

5. How many unit squares cover this rectangle?

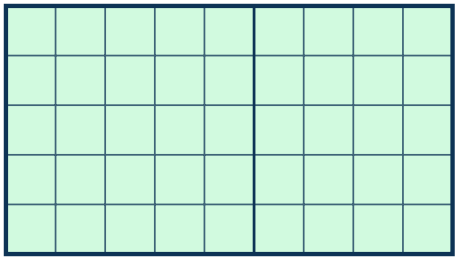


_____

6. A rug covers 42 square feet. It is 7 feet long. How many feet wide is it?

_____

7. Each square is 1 square meter. A rug covers this whole grid except the bottom row. What area does the rug cover?



36 square meters 44 square meters 40 square meters 45 square meters

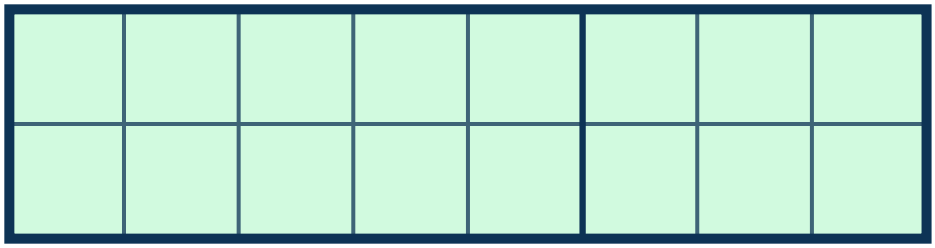
8. A garden is made of two rectangles that do not overlap. One part is 4 by 3. The other part is 2 by 5. What is the total area?

12 square units 14 square units 20 square units 22 square units

9. Jo tiles an 8 by 4 rectangle. She counts only the squares around the edge. What does she count, and what is the true area?

She counts 12; the area is 32
She counts 20; the area is 24
She counts 24; the area is 32
She counts 20; the area is 32

10. Which rectangle has the same area as this one, but a different shape?



4 by 4 2 by 9 3 by 5 3 by 7

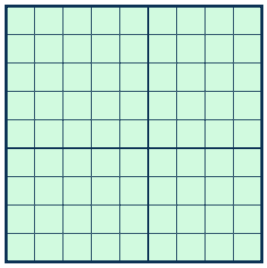
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Answer Key - Grade 3 Math Worksheet - Challenge Me

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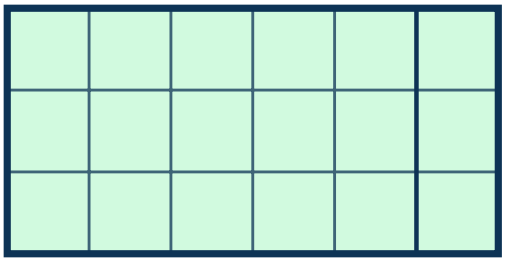


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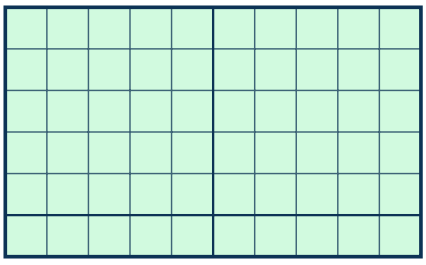


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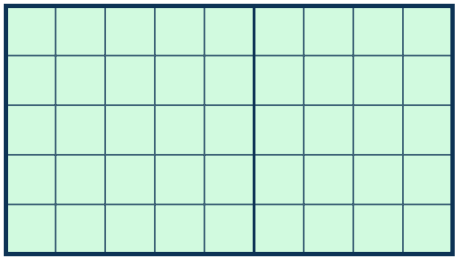


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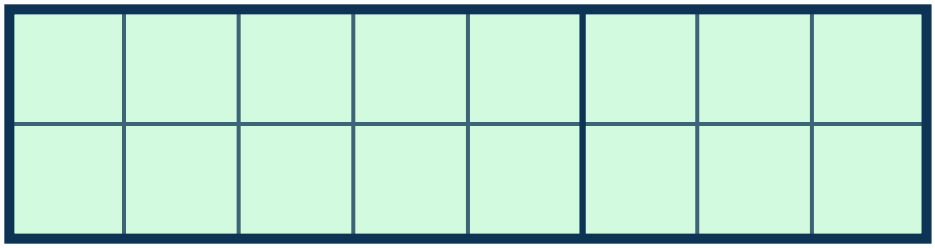
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