Area Concepts

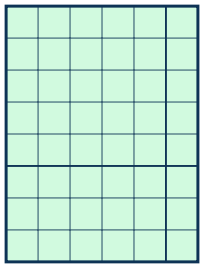
Grade 3 Math Worksheet - Challenge Me

PencilGo

Name _____ Date _____

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

1. This rectangle is split into two parts: 8 rows of 2 squares and 8 rows of 4 squares. Which sum gives the whole area?



8 + 6 10 + 12 16 + 32 16 + 24

2. 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?

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

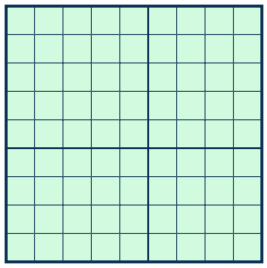
3. Which rectangle has the same area as a 4 by 6 rectangle?

5 by 5 5 by 6 3 by 7 3 by 8

4. A 6 by 5 rectangle has a 2 by 2 square cut from one corner. What area is left?

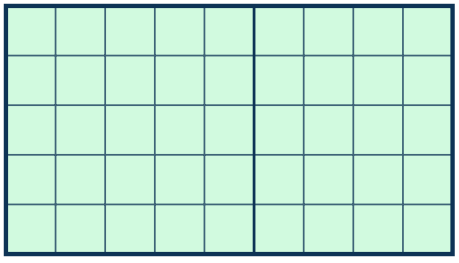
26 square units 28 square units 22 square units 30 square units

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



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

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

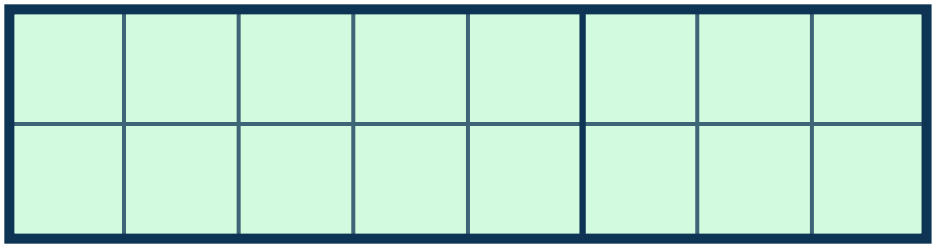


36 square meters 44 square meters 45 square meters 40 square meters

7. 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 24; the area is 32
She counts 20; the area is 32
She counts 20; the area is 24
She counts 12; the area is 32

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

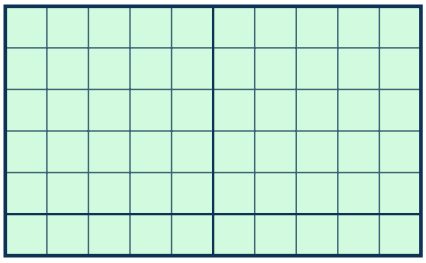


3 by 5 4 by 4 2 by 9 3 by 7

9. Room A is 5 by 8. Room B is 6 by 6. How many more square units does Room A cover?

_____

10. How many unit squares cover this rectangle?



_____

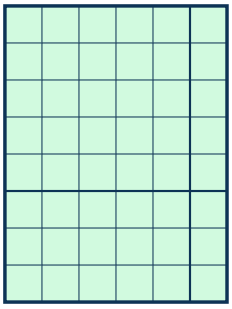
Scan to get this marked free. No screen time for your child.
Print it · do it in pencil · scan it · PencilGo picks the next sheet.

Area Concepts

Answer Key - Grade 3 Math Worksheet - Challenge Me

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

1. This rectangle is split into two parts: 8 rows of 2 squares and 8 rows of 4 squares. Which sum gives the whole area?



8 + 6 10 + 12 **16 + 32** 16 + 24

2. 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?

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

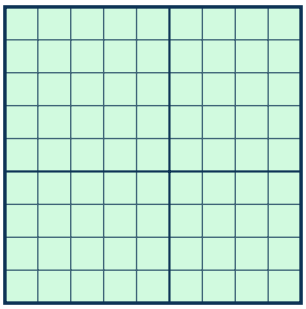
3. Which rectangle has the same area as a 4 by 6 rectangle?

5 by 5 5 by 6 3 by 7 **3 by 8**

4. A 6 by 5 rectangle has a 2 by 2 square cut from one corner. What area is left?

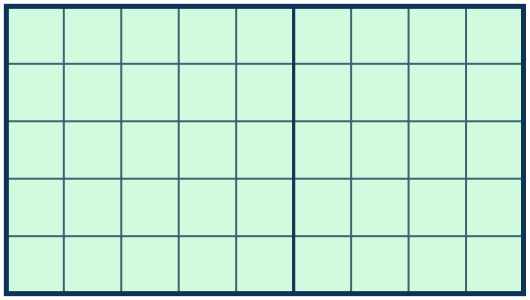
26 square units 28 square units 22 square units 30 square units

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



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

6. 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 45 square meters 40 square meters

7. 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?

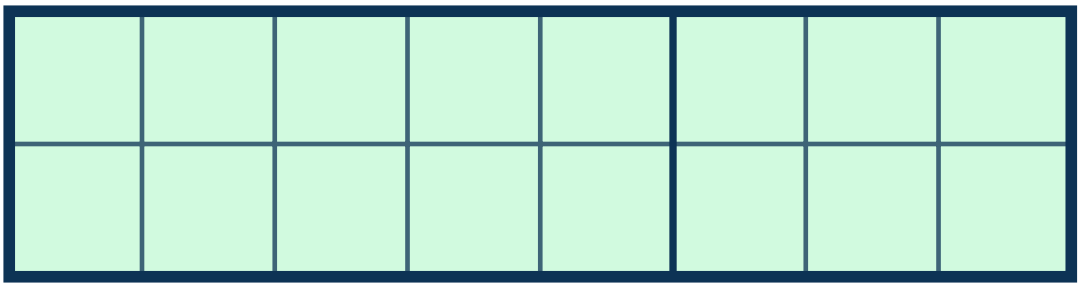
She counts 24; the area is 32

She counts 20; the area is 32

She counts 20; the area is 24

She counts 12; the area is 32

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

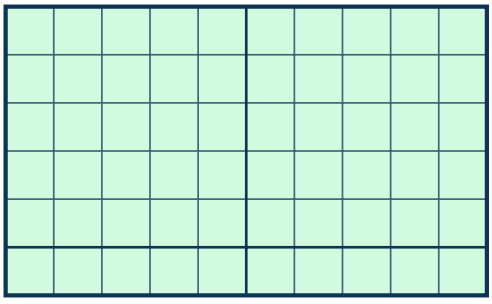


3 by 5 4 by 4 2 by 9 3 by 7

9. Room A is 5 by 8. Room B is 6 by 6. How many more square units does Room A cover?

4

10. How many unit squares cover this rectangle?



60