LESSON MAKER PRO

Square by Square

Count unit squares to find area.

GRADE 3 · MT.3.MD.6

MT.3.MD.6 "Measure areas by counting unit squares."

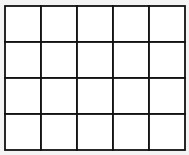
NAME _____ DATE _____

COUNT THE SQUARES

Each small square stands for 1 square unit. Count the squares that cover a region to find its area. You can count them one by one or add the squares in each row.

WORKED EXAMPLE

What is the area of this grid?

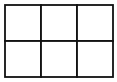


1. Count 5 squares in each row.
2. There are 4 rows.
3. Add: 5 + 5 + 5 + 5 = 20.

Answer: 20 square units

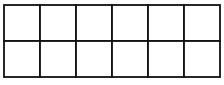
PRACTICE 6 problems

1 What is the area of this grid?



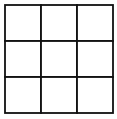
ANSWER _____

2 What is the area of this grid?



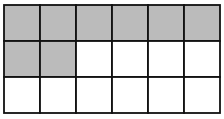
ANSWER _____

3 What is the area of this grid?



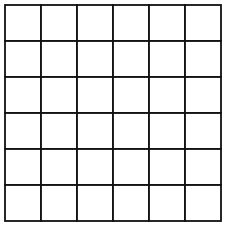
ANSWER _____

4 What is the area of the shaded part?



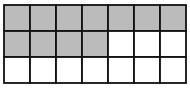
ANSWER _____

5 What is the area of this grid?



ANSWER _____

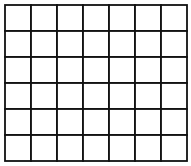
6 What is the area of the shaded part?



ANSWER _____

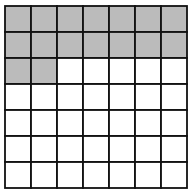
APPLY IT Show your work

1 A game designer uses unit-square tiles to make the floor shown. What is the floor's area?



ANSWER _____

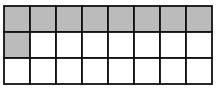
2 Nia colors some unit squares on a sticker sheet. What is the area of the part she did not color?



ANSWER _____

CHALLENGE One step up

What is the area of the unshaded part? Explain two different ways to find it.



WORK SPACE AND ANSWER

ANSWER KEY

Square by Square

GRADE 3 · MT.3.MD.6

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	What is the area of this grid?	**6 square units**
2	What is the area of this grid?	**12 square units**
3	What is the area of this grid?	**9 square units**
4	What is the area of the shaded part?	**8 square units**
5	What is the area of this grid?	**36 square units**
6	What is the area of the shaded part?	**11 square units**

PART 2 · APPLY IT

1. **42 square units** Count 7 squares in each of the 6 rows. The area is 42 square units.
2. **33 square units** The sheet has 49 unit squares, and 16 are colored. The uncolored area is 49 - 16 = 33 square units.

CHALLENGE

15 square units. Count the unshaded squares by row: 7 + 8 = 15. Or count all 24 squares and subtract the 9 shaded squares: 24 - 9 = 15.

Accept answers stated as square units or sq. units. For the challenge, accept any two correct ways to count or calculate the unshaded area.