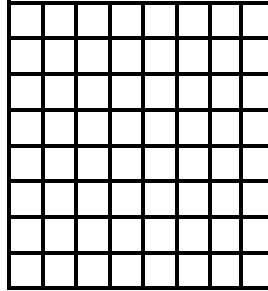


4-2Weekly Homework

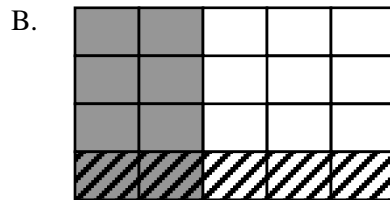
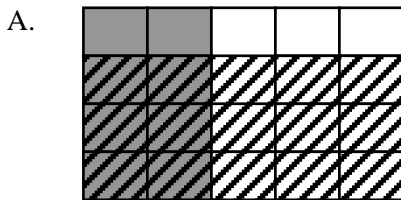
1. The model below represents $\sqrt{64} = 8$.



Which arrangement of small squares can be used to model a large square that represents $\sqrt{256}$?

- A.** 4 rows of 64 squares **B.** 2 rows of 128 squares
C. 16 rows of 16 squares **D.** 18 rows of 18 squares

2. Match each model with the expression $\frac{1}{4} \times \frac{2}{5}$ _____ $\frac{1}{4} \times \frac{1}{5}$ _____ $\frac{3}{4} \times \frac{2}{5}$ _____



3. Using the table below, determine the cost of Tina's school supplies. She bought 2 notebooks, 8 pens, and 3 packages of paper.

Supplies	Cost (per item)
Notebook	\$3.75
Paper	\$1
Pen	\$0.50

4. Jason bought 20 party hats priced at 4 for \$0.73 and 21 noisemakers priced at 7 for \$1.25. What was the total cost of the hats and noisemakers, not including tax?

5. What is the value of the expression?

$$(9 + 2)^2 \div 3 - 4 \times 7$$

6. The model below can be used to represent the area of a square with a side length of $\sqrt{36}$ units.

```

X X X X X X
X X X X X X
X X X X X X
X X X X X X
X X X X X X
X X X X X X
X X X X X X

```

What is another way to represent the side length of this square?

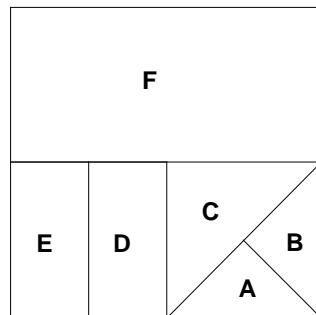
A 36

B 6

C $\sqrt{64}$

D $\sqrt{4}$

Mr. Morgan owns a large building that he plans to lease as office space. He will charge \$7,200 a month to lease the entire building. If someone wants to lease only a fraction of the space, he will charge the same fractional amount of \$6,400 for the monthly rent.



7. How much should Mr. Morgan charge a person who wants to lease the space shown in the diagram below that fills area F?
8. How much should Mr. Morgan charge a person who wants to lease the space shown in the diagram below that fills area D?
9. How much should Mr. Morgan charge a person who wants to lease the space shown in the diagram below that fills area C?
10. How much should Mr. Morgan charge a person who wants to lease the space shown in the diagram below that fills area A?

