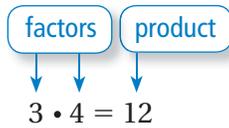


REVIEW: Multiplying Whole Numbers

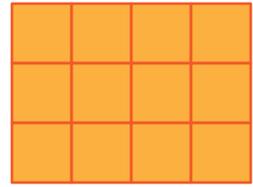
Name _____

Key Concept and Vocabulary



Visual Model

A rectangle that is 3 units by 4 units has an area of 12 square units.



$$\begin{aligned} \text{Area} &= 3 \times 4 \\ &= 12 \text{ square units} \end{aligned}$$

Skill Examples

- $6 \cdot 7 = 42$
- $0 \times 5 = 0$
- $8 \cdot 1 = 8$
- $(9)(12) = 108$
- $15 \times 20 = 300$

Application Example

- Find the area of a rectangular lot that is 20 yards wide and 35 yards long.

$$\begin{aligned} \text{Area} &= (\text{length})(\text{width}) \\ &= 35 \cdot 20 \\ &= 700 \text{ yd}^2 \end{aligned}$$

∴ The area is 700 square yards.



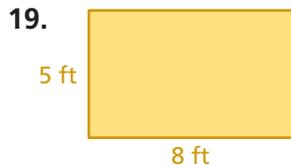
PRACTICE MAKES PURR-FECT™

Check your answers at BigIdeasMath.com.

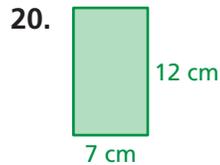
Find the product.

- | | | | |
|------------------------------------|-------------------------------------|--------------------------------------------|--------------------------------------------|
| 7. $8 \cdot 12 = \underline{96}$ | 8. $15 \times 12 = \underline{180}$ | 9. $(13)(20) = \underline{260}$ | 10. $2 \cdot 240 = \underline{480}$ |
| 11. $13 \times 6 = \underline{78}$ | 12. $(11)(8) = \underline{88}$ | 13. $19 \cdot 21 = \underline{399}$ | 14. $30 \times 100 = \underline{3000}$ |
| 15. $0 \cdot 114 = \underline{0}$ | 16. $26 \times 1 = \underline{26}$ | 17. $4 \cdot 10 \cdot 8 = \underline{320}$ | 18. $9 \cdot 14 \cdot 2 = \underline{252}$ |

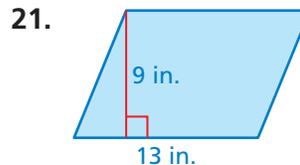
Find the area of the rectangle or parallelogram.



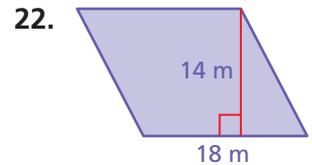
Area = $\underline{40 \text{ ft}^2}$



Area = $\underline{84 \text{ cm}^2}$



Area = $\underline{117 \text{ in.}^2}$



Area = $\underline{252 \text{ m}^2}$

- SCHOOL BUS** Each school bus can carry a maximum of 50 passengers. What is the maximum number of passengers that 12 school buses can carry? $\underline{600 \text{ passengers}}$
- PAPER CUPS** Each package contains 65 paper cups. You buy four packages. Do you have enough paper cups for 250 people to each have one? How do you know?
 $\underline{\text{yes; You have } 65 \times 4 = 260 \text{ paper cups, which is greater than 250 people.}}$