REVIEW: Multiplication Facts

Name _____

Key Concept and Vocabulary

$1 \times 2 = 2$ ← multiples of 2
$2 \times 2 = 4$
$3 \times 2 = 6$
$4 \times 2 = 8$
$5 \times 2 = 10$
$6 \times 2 = 12$
$7 \times 2 = 14$
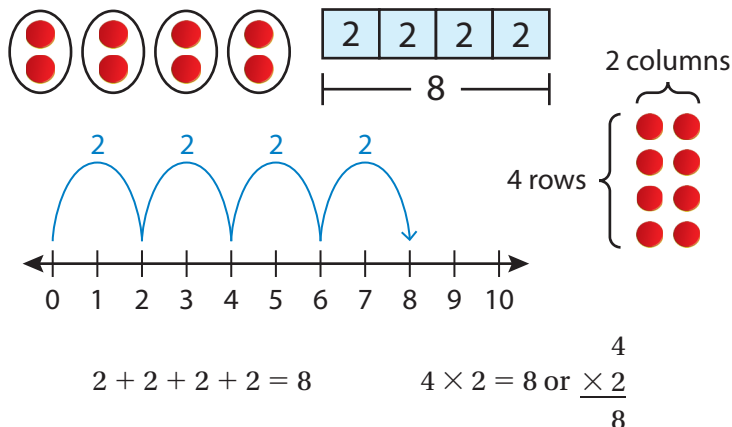$8 \times 2 = 16$
$9 \times 2 = 18$
$10 \times 2 = 20$

Multiple

Visual Models

Find 4×2.

| 2 | 2 | 2 | 2 |

⊢——— 8 ———⊣

2 columns

4 rows

2   2   2   2

0 1 2 3 4 5 6 7 8 9 10

$2 + 2 + 2 + 2 = 8$

$4 \times 2 = 8$ or $\begin{array}{r} 4 \\ \times\, 2 \\ \hline 8 \end{array}$

Skill Examples

1. $10 \times 3 = 30$ **2.** $7 \times 4 = 28$

3. $0 \times 5 = 0$ **4.** $4 \times 6 = 24$

5. $6 \times 7 = 42$ **6.** $3 \times 8 = 24$

7. $\begin{array}{r} 9 \\ \times\, 9 \\ \hline 81 \end{array}$ **8.** $\begin{array}{r} 1 \\ \times\, 10 \\ \hline 10 \end{array}$

Application Example

9. Find the area of a rectangular rug that is 5 feet wide and 8 feet long.

$$\text{Area} = (\text{length})(\text{width})$$
$$= 8 \times 5$$
$$= 40 \text{ square feet}$$

The area is 40 square feet.

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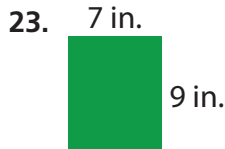
Check your answers at BigIdeasMath.com.

Find the product.

10. $1 \times 4 = \underline{\ 4\ }$ **11.** $3 \times 5 = \underline{\ 15\ }$ **12.** $6 \times 8 = \underline{\ 48\ }$ **13.** $3 \times 0 = \underline{\ 0\ }$

14. $\begin{array}{r} 9 \\ \times\, 6 \\ \hline 54 \end{array}$ **15.** $\begin{array}{r} 10 \\ \times\, 7 \\ \hline 70 \end{array}$ **16.** $\begin{array}{r} 0 \\ \times\, 1 \\ \hline 0 \end{array}$ **17.** $\begin{array}{r} 7 \\ \times\, 3 \\ \hline 21 \end{array}$ **18.** $\begin{array}{r} 5 \\ \times\, 5 \\ \hline 25 \end{array}$ **19.** $\begin{array}{r} 8 \\ \times\, 4 \\ \hline 32 \end{array}$ **20.** $\begin{array}{r} 6 \\ \times\, 10 \\ \hline 60 \end{array}$ **21.** $\begin{array}{r} 5 \\ \times\, 9 \\ \hline 45 \end{array}$
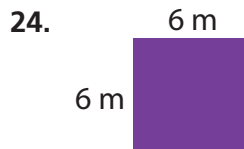
Find the area of the rectangle.

22.

4 yd

5 yd
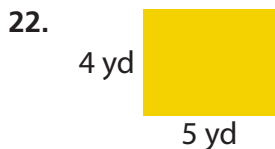
Area = __20 square yards__

23. 7 in.

9 in.

Area = __63 square inches__

24. 6 m

6 m

Area = __36 square meters__

25. PHOTOGRAPHS You take 6 photographs each day for 5 days. How many photographs do you take in all? __30 photographs__

26. BAND CONCERT A music teacher needs to make 4 rows of 9 chairs each for a band concert. He has 35 chairs. Does he have enough chairs for the band concert? Explain. _____

no; $4 \times 9 = 36$, and $35 < 36$