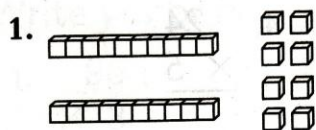


Name _____

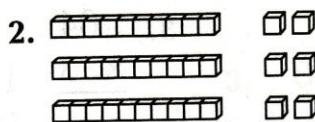
LESSON 17.1**Multiply 2-Digit Numbers**

Use the array to help find the product.



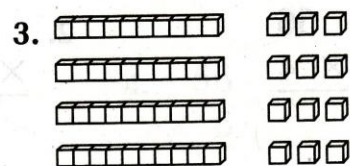
$$2 \times 10 = 20 \quad 2 \times 4 = 8$$

$$2 \times 14 = \underline{\hspace{2cm}}$$



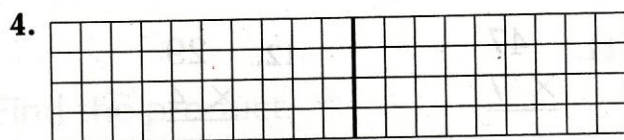
$$3 \times 10 = 30 \quad 3 \times 2 = 6$$

$$3 \times 12 = \underline{\hspace{2cm}}$$



$$4 \times 10 = 40 \quad 4 \times 3 = 12$$

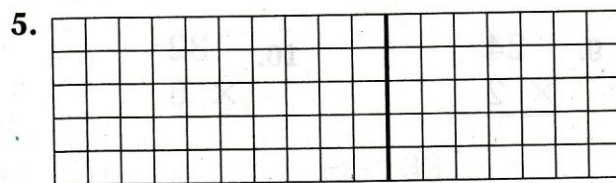
$$4 \times 13 = \underline{\hspace{2cm}}$$



$$4 \text{ rows of } 10 \\ 4 \times 10 = 40$$

$$4 \text{ rows of } 9 \\ 4 \times 9 = 36$$

$$4 \times 19 = \underline{\hspace{2cm}}$$



$$5 \text{ rows of } 10 \\ 5 \times 10 = 50$$

$$5 \text{ rows of } 7 \\ 5 \times 7 = 35$$

$$5 \times 17 = \underline{\hspace{2cm}}$$

Use base-ten blocks or grid paper to find the product.

6. $4 \times 12 = \underline{\hspace{2cm}}$

7. $3 \times 13 = \underline{\hspace{2cm}}$

Mixed Review

Add or subtract.

8.
$$\begin{array}{r} 62 \\ - 33 \\ \hline \end{array}$$

9.
$$\begin{array}{r} \$0.38 \\ + \$0.19 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 79 \\ + 28 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 54 \\ + 42 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 94 \\ - 59 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 88 \\ + 17 \\ \hline \end{array}$$

14.
$$\begin{array}{r} \$0.68 \\ - \$0.47 \\ \hline \end{array}$$

15.
$$\begin{array}{r} \$0.76 \\ - \$0.39 \\ \hline \end{array}$$

Find the product.

16.
$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 10 \\ \times 5 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

Problem Solving Skill

Choose the Operation

Write whether you would *add*, *subtract*, *multiply*, or *divide*. Then solve.

1. Susan's family paid \$36 for 4 used videos. Each video cost the same amount. How much did each video cost?

2. A third-grade class learns 18 spelling words one week and 16 the next week. How many words does the class learn in 2 weeks?

3. A lunch room seats 84 students. If there are 56 students in the lunch room, how many more students can the lunch room hold?

4. Maria has written 24 pages in her diary. She puts 3 daily entries on each page. How many daily entries has she written?

Mixed Review

Find the sum.

5.
$$\begin{array}{r} 14 \\ 15 \\ + 18 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 29 \\ 8 \\ + 77 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 63 \\ 30 \\ + 49 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 47 \\ 114 \\ + 142 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 20 \\ 67 \\ + 38 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 83 \\ 25 \\ + 71 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 753 \\ + 495 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 934 \\ + 248 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 295 \\ + 692 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 854 \\ + 196 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 717 \\ + 362 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 4,762 \\ + 3,291 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 9,132 \\ + 4,376 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 5,689 \\ + 8,542 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 1,911 \\ + 8,149 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 7,571 \\ + 6,025 \\ \hline \end{array}$$

21.
$$\begin{array}{r} \$14.29 \\ + \$ 6.33 \\ \hline \end{array}$$

22.
$$\begin{array}{r} \$ 4.10 \\ + \$27.19 \\ \hline \end{array}$$

23.
$$\begin{array}{r} \$2.05 \\ + \$8.99 \\ \hline \end{array}$$

24.
$$\begin{array}{r} \$62.77 \\ + \$18.19 \\ \hline \end{array}$$

25.
$$\begin{array}{r} \$41.95 \\ + \$27.42 \\ \hline \end{array}$$

Practice Multiplication

Find the product. Tell whether you need to regroup.

Write yes or no.

1.
$$\begin{array}{r} 96 \\ \times 3 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 21 \\ \times 2 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 83 \\ \times 5 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 56 \\ \times 6 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 71 \\ \times 3 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 45 \\ \times 2 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 69 \\ \times 5 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 83 \\ \times 3 \\ \hline \end{array}$$

Find the product.

9.
$$\begin{array}{r} 75 \\ \times 3 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 28 \\ \times 7 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 16 \\ \times 4 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 33 \\ \times 2 \\ \hline \end{array}$$

13. $2 \times 84 =$

14. $3 \times 64 =$

15. $5 \times 32 =$

Mixed Review

Write the value of the underlined digit.

16. $8\text{6},459$ _____

17. $342,\text{1}96$ _____

18. $7\text{4},598$ _____

19. $2,4\text{3}7$ _____

20. $69,43\text{8}$ _____

21. $11,\text{3}02$ _____

Complete.

22. _____ $\times 9 = 36$

23. $56 =$ _____ $\times 8$

24. $6 \times$ _____ $= 54$

25. $17 +$ _____ $= 44$

26. _____ $- 9 = 43$

27. $21 +$ _____ $= 64$

28. _____ $\times 8 = 56$

29. $7 \times$ _____ $= 28$

30. $5 \times$ _____ $= 45$

31. $59 -$ _____ $= 31$

32. $22 +$ _____ $= 30$

33. $38 +$ _____ $= 55$

34. $9 \times$ _____ $= 36$

35. _____ $\times 5 = 40$

36. $7 \times$ _____ $= 49$

Record Multiplication

Find the product. You may wish to use base-ten blocks.

1.
$$\begin{array}{r} 56 \\ \times 4 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 29 \\ \times 2 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 64 \\ \times 3 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 24 \\ \times 5 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 13 \\ \times 4 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 84 \\ \times 5 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 45 \\ \times 7 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 36 \\ \times 8 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 24 \\ \times 2 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 32 \\ \times 6 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 47 \\ \times 7 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 29 \\ \times 4 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 18 \\ \times 3 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 51 \\ \times 2 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 27 \\ \times 4 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 33 \\ \times 6 \\ \hline \end{array}$$

Mixed Review

Solve.

17. $3 \times 4 \times 2 = \underline{\hspace{2cm}}$

18. $8 \times 0 \times 9 = \underline{\hspace{2cm}}$

19. $5 \times 6 \times 1 = \underline{\hspace{2cm}}$

20. $7 \times 2 \times 5 = \underline{\hspace{2cm}}$

21. Bob played with his friends for 1 hr and 30 minutes. They started playing at 2:15. At what time did they stop?
- _____

22. Dot's birthday is 2 weeks from today. Today is February 4. On what date is Dot's birthday?
- _____

Regroup. Write the missing number.

23. 5 tens 27 ones = _____ tens _____ ones

24. 2 tens 19 ones = _____ tens 9 ones

25. _____ tens 31 ones = 8 tens 1 one