Chapter 12

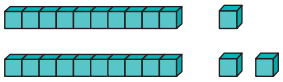
Lesson 3

Name _____ Date/Time _____

Multiplying with Base-Ten Blocks

NCTM Standards 1, 2, 6, 7, 9, 10

Write the number represented by . . .



1. the rods only 20
   the units only 3
   all the blocks 23

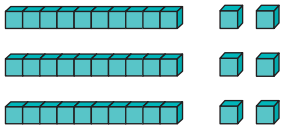
2. **6** × the rods _____
   6 × the units _____
   6 × all the blocks _____

3. **9** × the rods _____
   9 × the units _____
   9 × all the blocks _____

4. **15** × the rods _____
   15 × the units _____
   15 × all the blocks _____

5.
$$\begin{array}{r} 23 \\ \times\ 15 \\ \hline \square \end{array}$$

Write the number represented by . . .



6. the rods only _____
   the units only _____
   all the blocks _____

7. **4** × the rods _____
   4 × the units _____
   4 × all the blocks _____

8. **8** × the rods _____
   8 × the units _____
   8 × all the blocks _____

9. **16** × the rods _____
   16 × the units _____
   16 × all the blocks _____

10.
$$\begin{array}{r} 36 \\ \times\ 16 \\ \hline \square \end{array}$$

Find each product.

11 How much money?

_____

3 times the amount _____

2 times the amount _____

5 times the amount _____

6 times the amount _____

4 times the amount _____

10 times the amount _____

14 times the amount _____

$$\begin{array}{r} 14 \\ \times 16 \\ \hline \square \end{array}$$

12 How many objects?

a row of 10 cones and 4 pyramids

twice as many objects _____

five times as many objects _____

ten times as many objects _____

$$\begin{array}{r} 14 \\ \times 5 \\ \hline \square \end{array}$$

13 How many letters?

A A A A A B B B B B B B B B

a row of 5 As and 9 Bs

The total number of letters is _____.

three times as many letters _____

five times as many letters _____

half as many letters _____

ten times as many letters _____

$$\begin{array}{r} 14 \\ \times 10 \\ \hline \square \end{array}$$

14 Challenge Complete the tables.

m	5	10	15
7 × *m*	35		

+

m	5	10	15
10 × *m*			

=

m	5	10	15
17 × *m*			