



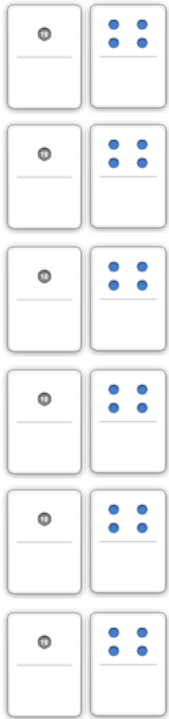
Student: _____

Symphony EXTENSIONS

Date: _____

16 | Multiply & Divide with 1/10/100

1.

This model shows: $6 \times \underline{14}$

Solve after completing:

$$6 \times \underline{14} = 6 \times \underline{10} + 6 \times \underline{4} = \underline{60} + \underline{24} = \underline{84}$$

ANSWER KEY

2. Fill in the missing numbers to make each number sentence true:

a. $1 \times 6 = \underline{6}$

$10 \times 6 = \underline{60}$

$100 \times 6 = \underline{600}$

b. $1 \times 78 = \underline{78}$

$10 \times 78 = \underline{780}$

$100 \times 78 = \underline{7800}$

c. $5 \times 30 = \underline{150}$

$7 \times 90 = \underline{630}$

$\underline{210} = 3 \times 70$

d. $170 \div 10 = \underline{17}$

$170 \div 17 = \underline{10}$

$1700 \div 100 = \underline{17}$

3. One hundred ants have 600 legs.

How many legs do 10 ants have? $\frac{60}{10}$
 How many legs does one ant have? $\frac{6}{1}$

4. How is the 8 in the number 806 different than the 8 in the number 358?

The first is 8 hundreds, and the second is 8 ones.

5. If you had one hundred groups of 14, how many would you have?

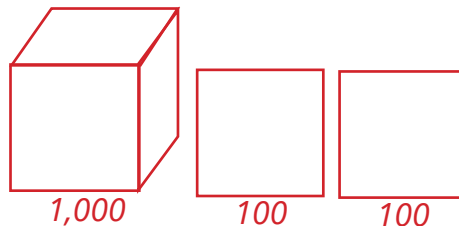
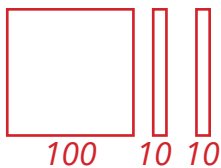
$\frac{14}{100}$ $\frac{0}{10}$ $\frac{0}{1}$
 hundreds tens ones

What number is 100 groups of 14? $\frac{1,400}{100} \times 14 = \frac{1,400}{1}$

You may also say this whole number as a number of tens. How many tens are in this number? $\frac{140}{10}$ tens

6. How are 120 and 1200 different? Explain with pictures, numbers, and/or words.

sample demonstrations of understanding



*120 is 10 groups of 12, and 1,200 is 100 groups of 12.
 1,200 is ten times the size of 120.*