MY Homework

Lesson 3

Hands On: Multiply Three Factors
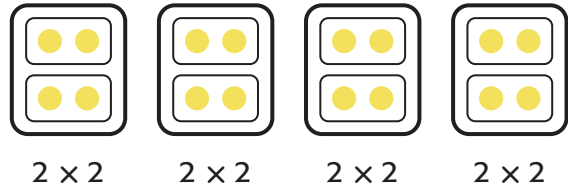
Homework Helper eHelp
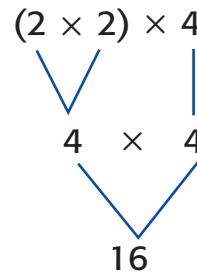
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Lois does 2 loads of laundry 2 times each week. How many loads of laundry does Lois do in 4 weeks?

1 **Model $(2 \times 2) \times 4$.**

2 groups of 2, four times

2×2 2×2 2×2 2×2

2 **Multiply the factors inside the parentheses first.**

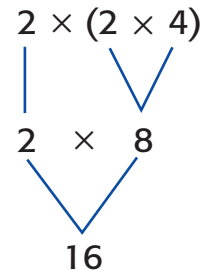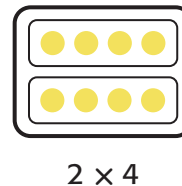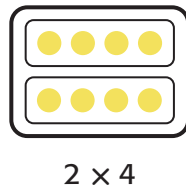$(2 \times 2) \times 4$

$4 \quad \times \quad 4$

16

3 **Multiply the product by the remaining factor.**

So, $(2 \times 2) \times 4 = 16$. Lois does 16 loads of laundry in 4 weeks.

You can also group the factors another way.

$2 \times (2 \times 4)$

2 groups of 4, two times

2×4 2×4

$2 \times (2 \times 4)$

$2 \quad \times \quad 8$

16

Either way you group the factors, the product is 16.

Practice

Find each product.

1. $(3 \times 1) \times 2 =$ _____

2. $(2 \times 2) \times 5 =$ _____
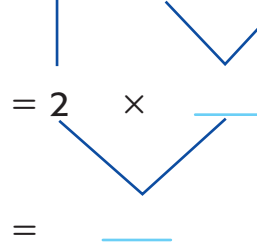
Find each product.

3. $(6 \times 1) \times 3 =$ ____

4. $3 \times (5 \times 2) =$ ____

Group the factors another way. Then find each product.

5. $(4 \times 1) \times 2 = 4 \times (1 \times$ ____ $)$
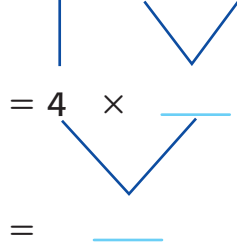
$= 4 \times$ ____

$=$ ____

6. $(2 \times 6) \times 2 = 2 \times ($ ____ $\times$ ____ $)$

$= 2 \times$ ____

$=$ ____

7. $3 \times (5 \times 1) = ($ ____ $\times$ ____ $) \times 1$

$=$ ____ $\times 1$

$=$ ____

8. $(4 \times 5) \times 2 = 4 \times ($ ____ $\times$ ____ $)$

$= 4 \times$ ____

$=$ ____

Real World Problem Solving
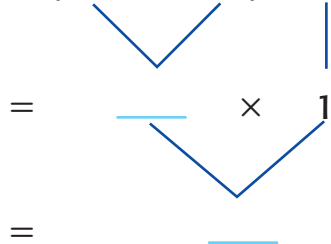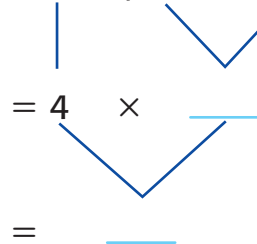
9. PRACTICE *Mathematical* **2** **Use Number Sense** Caroline baked bread each day for 5 days for a bake sale. She baked 3 types of bread each day and used 2 cups of flour for each recipe. How many cups of flour did Caroline use?

_____

10. Each of the 4 members of the Kings Chess Club play in 3 matches both Saturday and Sunday. How many matches did the chess club play in all?

_____

11. Kent works at an ice cream shop. A family of 3 ordered 3 scoops of ice cream each. Then two more families of 3 ordered 3 scoops of ice cream each. How many scoops of ice cream did Kent serve to the three families in all?

_____

My Work!