

Fill in the chart.

Words	Expression	Value
30 times the sum of 35 and 65		
Divide the difference between 120 and 50 by 5		
The sum of 23 twelves and 17 twelves		
16 times the sum of 24 and 6		
	$100 \times (125 + 30)$	
	$(245 - 45) \times 11$	

Compare the two expressions using $<$, $>$, or $=$. Explain how you know in the space below each without calculating.

100×8 $25 \times (4 \times 7)$

39×11 25 eevens + 15 eevens

25×18 9 twenty-fives, doubled

Solve. Use words, numbers, or pictures to explain how your answers to Parts (a) and (b) are related.

a. $15 \times 20 =$ _____

b. $1.5 \times 20 =$ _____ tenths $\times 20 =$ _____

Multiply using the standard algorithm. Show your work below each problem. Write the product in the blank.

a. $415 \times 44 =$ _____

b. $465 \times 307 =$ _____

For a field trip, the school bought 37 sandwiches for \$4.75 each and 29 bags of chips for \$1.45 each. How much did the school spend in all?

Jeanne makes hair bows to sell at the craft fair. Each bow requires 1.6 yards of ribbon.

At the fabric store, ribbon is sold by the foot. If Jeanne wants to make 45 bows, how many feet of ribbon must she buy? Show all your work.

If the ribbon costs 10¢ per foot, what is the total cost of the ribbon in dollars? Explain your reasoning, including how you decided where to place the decimal.

A manufacturer is making 100 times as many bows as Jeanne to sell in stores nationwide. Write an expression using exponents to show how many yards of ribbon the manufacturer will need. Do not calculate the total.