



Name _____

Writing Expressions

R 1-11

You can translate word phrases and situations into mathematical expressions.

Bart has two-year-old triplets. When he shops for clothes, he knows he has to multiply every price by 3.

Cost of Item	# of Kids	Total Cost
\$16 (pants)	3	$\$16 \times 3 = \48
\$5 (T-shirt)	3	$\$5 \times 3 = \15
\$4 (cap)	3	$\$4 \times 3 = \12
c	3	$c \times 3$ or $3c$

Rule for finding the total cost:

Cost of an item \times number of kids.
or Cost of an item $\times 3$.

The cost is different for each item. So you can rewrite the rule as an expression that uses a variable for the cost of an item.

Cost of an item $\times 3 = c \times 3$ or $3c$

What will the total cost be for \$7 mittens? $\$7 \times 3 = \21

Write each phrase as an expression.

- | | |
|---|---|
| <p>1. Height of box times 5 boxes _____</p> | <p>2. 36 caps minus number of caps sold _____</p> |
| <p>3. 7 divided by a number w _____</p> | <p>4. 18 more than a number x _____</p> |
| <p>5. 6 times the sum of y and 1 _____</p> | <p>6. 11 more than the product of z and 16 _____</p> |

Circle the correct entry for each table. Then circle the expression that shows the rule used in each table.

7.

Number of Students	Number of Boots
6	12
7	14
9	18
8	a. 24 b. 16
s	c. $s \times 2$ d. $s + 2$

8.

Tires	Cars
16	4
32	8
40	10
60	a. 15 b. 14
t	c. $t \times 4$ d. $t \div 4$