

Due Jan 17

Name _____ Date _____ Class _____

Translating Words Into Expressions

Write each phrase as an algebraic expression.

1. 125 decreased by a number

2. 359 more than z

3. the product of a number and 35

4. the quotient of 100 and w

5. twice a number, plus 27

6. 12 less than 15 times x

7. the product of e and 4, divided by 12

8. y less than 18 times 6

9. 48 more than the quotient of a number and 64

10. 500 less than the product of 4 and a number

11. the quotient of p and 4, decreased by 320

12. 13 multiplied by the amount 60 minus w

13. the quotient of 45 and the sum of c and 17

14. twice the sum of a number and 600

Write a statement to represent each expression:

15. $8 + y$

16. $9b$

17. $10 - j$

18. $x - 9$

19. $8r + 5$

20. $4y - 10$

15. There are twice as many flute players as there are trumpet players in the band. If there are n flute players, write an algebraic expression to find out how many trumpet players there are. _____

16. The Nile River is the longest river in the world at 4,160 miles. A group of explorers traveled along the entire Nile in x days. They traveled the same distance each day. Write an algebraic expression to find each day's distance. _____

17. A slice of pizza has 290 calories, and a stalk of celery has 5 calories. Write an algebraic expression to find out how many calories there are in a slices of pizza and b stalks of celery. _____

18. Grant pays 10¢ per minute plus \$5 per month for telephone long distance. Write an algebraic expression for m minutes of long-distance calls in one month. _____