



# TRANSLATING PHRASES

Name \_\_\_\_\_

Score \_\_\_\_\_

AE:17

Translate the phrases into algebraic expressions.

1) One-seventh of  $g$  square

2) Subtract three by four from  $z$

3) Fifth power to the sum of  $n$  and three minus two

4) Eight times the total of  $b$  cube and eleven

5) Ratio of  $x$  increased by ten to nine

6) The difference between  $w$  and thirteen

7) Product of twenty-one and  $h$

8) Add half and quarter of  $v$

9)  $y$  square is multiplied by five

10) Ten divides  $k$  cube



# TRANSLATING PHRASES

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## Answer key

AE:17

Translate the phrases into algebraic expressions.

1) One-seventh of g square

$$\frac{1}{7}g^2$$

2) Subtract three by four from z

$$z - \frac{3}{4}$$

3) Fifth power to the sum of n and three minus two

$$(n + 3)^5 - 2$$

4) Eight times the total of b cube and eleven

$$8(b^3 + 11)$$

5) Ratio of x increased by ten to nine

$$\frac{x + 10}{9}$$

6) The difference between w and thirteen

$$w - 13$$

7) Product of twenty-one and h

$$21h$$

8) Add half and quarter of v

$$\frac{1}{2} + \frac{1}{4}v$$

9) y square is multiplied by five

$$5y^2$$

10) Ten divides k cube

$$\frac{k^3}{10}$$