Translate each verbal phrase into an algebraic expression.

1) Total of 1 and \( y \) is one-quarter

2) The cube of \( h \) gives 8

3) \( x \) reduced by one-fourth is equal to 6

4) Product of 5 and \( c \) is 55

5) The square of \( v \) is the same as 36

6) One-half plus \( k \) is 4

7) 5 decreased by \( z \) is one-third

8) Power 3 of \( y \) gives 64

9) Sum of \( q \) and 10 is 20

10) 5 divides \( t \) gives 7

PREVIEW

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Translating Phrases: One-Step Equations

Translate each verbal phrase into an algebraic expression.

1) Total of 1 and \( y \) is one-quarter
   \[ 1 + y = \frac{1}{4} \]

2) The cube of \( h \) gives 8
   \[ h^3 = 8 \]

3) \( x \) reduced by \( \frac{1}{5} \) is equal to 6
   \[ x - \frac{1}{5} = 6 \]

4) Product of 5 and \( c \) is 55
   \[ 5c = 55 \]

5) The square of \( v \) is the same as 36
   \[ v^2 = 36 \]

6) One-half plus \( k \) is 4
   \[ \frac{1}{2} + k = 4 \]

7) 5 decreased by \( z \) is one-third
   \[ 5 - z = \frac{1}{3} \]

8) Power 3 of \( y \) gives 64
   \[ y^3 = 64 \]

9) Sum of \( q \) and 10 is 20
   \[ q + 10 = 20 \]

10) 5 divides \( t \) gives 7
    \[ \frac{t}{5} = 7 \]