

Cardinality of Sets

A) Write the cardinality of the following sets.

1) $A = \{1, 5, 10, 3, 6, 4, 7, 2, 9, 8\}$

$n(A) = \underline{\hspace{2cm}}$

2) $S = \{\text{Daphne, Marco, Emy, John, Li}\}$

$n(S) = \underline{\hspace{2cm}}$

3) $R = \{\text{silver, pink, black, red}\}$

$n(R) = \underline{\hspace{2cm}}$

4) $M = \{-11, 20, 32, 40, 50, 60\}$

$n(M) = \underline{\hspace{2cm}}$

5) $G = \{a, b, e, h, p, s, t, y, z\}$

$n(G) = \underline{\hspace{2cm}}$

6) $J = \{-12, -6, 18, 24, 33, 14, 16\}$

$n(J) = \underline{\hspace{2cm}}$

B) 1) Find the number of elements in the set $E = \{h, y, d, r, o, g, e, n\}$.

a) 5

b) 10

c) 7

d) 8

2) Find the cardinality of the set $T = \{\text{six, ten, three, eight, nine, four}\}$.

a) 7

b) 11

c) 6

d) 5

3) Find the number of elements in the set $W = \{41, 43, 56\}$.

a) 4

b) 3

c) 8

d) 6