



## Mixed Operation Estimation Challenge (Multiple Choice) - Set A

Grade 5

Name: \_\_\_\_\_

Round numbers, evaluate expression, choose best estimate.

**Example:**  $(487 - 198) + 305 \approx 500 - 200 + 300 = 600$

(1) Estimate the product of 42 and 198.

(A) 6,000 (B) 8,000 (C) 10,000 (D) 12,000

(2) Estimate  $(405 \times 28) + 120$ .

(A) 11,000 (B) 12,100 (C) 13,000 (D) 14,000

(3) A scientist observed approximately 4,120 stars in a cluster. If there are 38 similar clusters, estimate the total number of stars.

(A) 120,000 (B) 140,000 (C) 160,000 (D) 180,000

(4) Estimate  $945 - (14 \times 29)$ .

(A) 500 (B) 600 (C) 700 (D) 800

(5) Estimate the product of 4,987 and 21.

(A) 80,000 (B) 90,000 (C) 100,000 (D) 110,000

(6) Estimate  $(415 \times 8) \div 2$ .

(A) 1,200 (B) 1,400 (C) 1,600 (D) 1,800



(7) A small country has a population of 43,500 people. If each person consumes approximately 12 units of energy per month, estimate the total monthly energy consumption for the country.

(A) 300,000 (B) 400,000 (C) 500,000 (D) 600,000

(8) Estimate  $(4.8 \times 19) + 105$ .

(A) 180 (B) 200 (C) 220 (D) 240

(9) Estimate  $4 \times 18 \times 24$ .

(A) 1,200 (B) 1,400 (C) 1,600 (D) 1,800

(10) Estimate  $(648 + 149) \times 4$ .

(A) 2,800 (B) 3,000 (C) 3,200 (D) 3,400

