



Mixed Operation Estimation Challenge (Multiple Choice) - Set A

Grade 4

Name: _____

Round numbers, evaluate expression, choose best estimate.

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

(1) $(112 \times 19) + 1,005 \approx ?$

- (A) 2,500 (B) 3,000 (C) 3,500 (D) 4,000

(2) $1,987 - (11 \times 12) \approx ?$

- (A) 1,700 (B) 1,800 (C) 1,900 (D) 2,000

(3) $(1,198 \times 4) \div 11 \approx ?$

- (A) 400 (B) 450 (C) 480 (D) 500

(4) $(1,990 \times 51) + 10,000 \approx ?$

- (A) 100,000 (B) 105,000 (C) 110,000 (D) 115,000

(5) $(12 \times 18 \times 10) - 1,000 \approx ?$

- (A) 800 (B) 1,000 (C) 1,200 (D) 1,500

(6) An engineer estimates that a building needs 1,190 bricks per floor. If there are 12 floors and 100 extra bricks are ordered, approximately how many bricks are needed in total?

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



(7) $(1,010 \times 10) + 1,199 - 200 \approx ?$

- (A) 10,800 (B) 11,000 (C) 11,200 (D) 11,500

(8) A team of explorers collected 1,195 rock samples. If each sample weighs about 11 grams, and they divided the total weight into 2 large containers, approximately how much weight is in each container?

- (A) 5,000 grams (B) 5,500 grams (C) 6,000 grams (D) 6,500 grams

(9) $(1,110 \times 100) - 1,000 \approx ?$

- (A) 108,000 (B) 109,000 (C) 110,000 (D) 111,000

(10) A scientist observes 11 colonies of bacteria, each containing approximately 1,980 bacteria. If she adds 1,050 more bacteria, what is the estimated total?

- (A) 20,000 (B) 21,000 (C) 22,000 (D) 23,000

