

Answer Keys

Quantitative Review

1.

$$\frac{2n}{2n^2 + 3n + 1}$$

2.

$$\frac{2}{n^2 + 3n + 1}$$

3.

$$\frac{2n}{n^2 + 3n + 1}$$

4. Commutative property of addition

5. Associative property of addition

6. Identity property of addition

7a. Inverse property of addition

7b. Distributive property

8a. Inverse property of multiplication: $100 \cdot \frac{1}{100}$

8b. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 5$, $100 \cdot \frac{1}{100}$, $100 \cdot 1$, $100 \cdot 10$

8c. $100 \cdot 100$, $20 \cdot 20$, $10 \cdot 10$, $\frac{1}{100}$, 100 , $\frac{1}{100}$, 100

8d. $100 \cdot 20$, $20 \cdot 100$, $100 \cdot 10$, $10 \cdot 100$, $100 \cdot 1$, $1 \cdot 100$, $100 \cdot \frac{1}{100}$

8e. $100 \cdot 100$, $100 \cdot 20^2 = 400$, $100 \cdot 10^2 = 100$

8f. $100 \cdot 100 = 10^4$, $100 \cdot 20 = 2 \times 10^3$, $100 \cdot 10 = 10^3$

8g. $10^2 = 10^2 \times 10^0$, $100 \cdot 2 = 2 \times 10^2$, $100 \cdot 1 = 1 \times 10^2$

8h. $10^2 = 10^2 \times 10^0$, $100 \cdot 1 = 1 \times 10^2$, $100 \cdot \frac{1}{100} = 10^0$

8i. $10^2 = 10^2 \times 10^0$, $100 \cdot 10 = 10^3$, $100 \cdot 1 = 10^2$

8j. $10^2 = 10^2 \times 10^0$, $100 \cdot \frac{1}{100} = 10^0$, $100 \cdot 1 = 10^2$

8k. $10^2 = 10^2 \times 10^0$, $100 \cdot \frac{1}{100} = 10^0$, $100 \cdot 1 = 10^2$

8l. $10^2 = 10^2 \times 10^0$, $100 \cdot \frac{1}{100} = 10^0$, $100 \cdot 1 = 10^2$

8m. $10^2 = 10^2 \times 10^0$, $100 \cdot \frac{1}{100} = 10^0$, $100 \cdot 1 = 10^2$

8n. $10^2 = 10^2 \times 10^0$, $100 \cdot \frac{1}{100} = 10^0$, $100 \cdot 1 = 10^2$

8o. $10^2 = 10^2 \times 10^0$, $100 \cdot \frac{1}{100} = 10^0$, $100 \cdot 1 = 10^2$

8p. $10^2 = 10^2 \times 10^0$, $100 \cdot \frac{1}{100} = 10^0$, $100 \cdot 1 = 10^2$

8q. $10^2 = 10^2 \times 10^0$, $100 \cdot \frac{1}{100} = 10^0$, $100 \cdot 1 = 10^2$

8r. $10^2 = 10^2 \times 10^0$, $100 \cdot \frac{1}{100} = 10^0$, $100 \cdot 1 = 10^2$

8s. $10^2 = 10^2 \times 10^0$, $100 \cdot \frac{1}{100} = 10^0$, $100 \cdot 1 = 10^2$

8t. $10^2 = 10^2 \times 10^0$, $100 \cdot \frac{1}{100} = 10^0$, $100 \cdot 1 = 10^2$

9a. $n = 3$

$$\frac{3^2 + 3 + 1}{3^2 + 3 + 1}$$

9b. $-3n^2 + n + 6n$

$$\frac{9n^2 + 5n}{9n^2 + 5n}$$

9c. $3n^2 = 9$

$$\frac{9n^2 + 5n}{9n^2 + 5n}$$

9d. $3n^2 = 9$

$$\frac{9n^2 + 5n}{9n^2 + 5n}$$

9e. $-3n^2 + n + 6n$

$$\frac{9n^2 + 5n}{9n^2 + 5n}$$

9f. $n = 3$

$$\frac{9n^2 + 5n}{9n^2 + 5n}$$

9g. $n = 3$

$$\frac{9n^2 + 5n}{9n^2 + 5n}$$

9h. $3n^2 = 9$

$$\frac{9n^2 + 5n}{9n^2 + 5n}$$

10a. $-3 + 4 + 2$

$$\frac{3^2 + 4^2 + 2^2}{3^2 + 4^2 + 2^2}$$

10b. $-3 + 4 + 2$

$$\frac{3^2 + 4^2 + 2^2}{3^2 + 4^2 + 2^2}$$

10c. $3n^2 = 9$

$$\frac{9n^2 + 5n}{9n^2 + 5n}$$

10d. $3n^2 = 9$

$$\frac{9n^2 + 5n}{9n^2 + 5n}$$

10e. $-3n^2 + n + 6n$

$$\frac{9n^2 + 5n}{9n^2 + 5n}$$

10f. $n = 3$

$$\frac{9n^2 + 5n}{9n^2 + 5n}$$

10g. $3n^2 = 9$

$$\frac{9n^2 + 5n}{9n^2 + 5n}$$

11a. $100 \cdot 100$, $100 \cdot 20$, $100 \cdot 10$, $100 \cdot 1$, $100 \cdot 100$