

Prime Factorization and Greatest Common Factor Bell work

Choose the correct answer.

1. What are the prime factors of 30?

(a) 6×5

(b) $2 \times 3 \times 5$

(c) 10×3

(d) 2×15

2. What are the prime factors of 24?

(a) 2×12

(b) 6×4

(c) $2 \times 2 \times 2 \times 3$

(d) 8×3

3. The Greatest common factor (GCF) of 20 and 25 is

(a) 4

(b) 2

(c) 10

(d) 5

4. The Greatest common factor (GCF) of 30 and 90 is

(a) 3

(b) 5

(c) 10

(d) 15

5. Use the GCF and the Distributive Property to express the sum $75 + 90$ as a product.

(a) $5(15 + 16)$

(b) $15(5 + 6)$

(c) $3(25 + 10)$

(d) $10(7 + 9)$