



Name _____ Class _____ Date _____

1 Numbers that have **only two factors** are _____.

- A composite
- B prime
- C even
- D factors

2 Writing a number as a **product of prime numbers** is called _____.

- A composite
- B factoring
- C prime factorization
- D distributing

3 What is the **prime factorization** of 72?

- A $2^3 \times 3^2$
- B $2^2 \times 3^3$
- C 2×3^3
- D $2^3 \times 3$

4 What is the **prime factorization** of 368?

- A $2^3 \times 21$
- B $2^5 \times 23$
- C $2^4 \times 21$
- D $2^4 \times 23$

5



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7

B $\frac{3}{5}$

D $\frac{3}{7}$

B $\frac{2}{3}$

D $\frac{3}{4}$

9

What is the fraction, $\frac{60}{84}$, in simplest form?

A $\frac{5}{8}$

C $\frac{6}{8}$

B $\frac{5}{7}$

D $\frac{6}{7}$

10

What is the fraction, $\frac{96}{144}$, in simplest form?

A $\frac{7}{12}$

C $\frac{6}{9}$

B $\frac{8}{12}$

D $\frac{2}{3}$



ANSWER KEY

Numbers that have **only two factors** are _____.

- A composite
- B prime
- C even
- D factors

(b)

Writing a number as a **product of prime numbers** is called _____.

- A composite
- B factoring
- C prime factorization
- D distributing

(c)

What is the **prime factorization** of 72?

- A $2^3 \times 3^2$
- B $2^2 \times 3^3$
- C 2×3^3
- D $2^3 \times 3$

(a)

What is the **prime factorization** of 368?

- A $2^3 \times 21$
- B $2^5 \times 23$
- C $2^4 \times 21$
- D $2^4 \times 23$

(d)



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B $\frac{3}{5}$

D $\frac{3}{7}$

B $\frac{2}{3}$

D $\frac{3}{4}$

What is the fraction, $\frac{60}{84}$, in simplest form?

A $\frac{5}{8}$

C $\frac{6}{8}$

(b)

B $\frac{5}{7}$

D $\frac{6}{7}$

What is the fraction, $\frac{96}{144}$, in simplest form?

A $\frac{7}{12}$

C $\frac{6}{9}$

(d)

B $\frac{8}{12}$

D $\frac{2}{3}$