



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  $2 \times 3^3$

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

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

5



## PREVIEW

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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  $\frac{2}{3}$



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 Numbers that have **only two factors** are \_\_\_\_\_.

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(B)

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

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(C)

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

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

(A)

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

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(D)

5



(A)

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(B)

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(D)