

**Prime Factorization**

ES1

Write each number in prime factor form.

1) 24

\_\_\_\_\_

2) 39

\_\_\_\_\_

3) 22

\_\_\_\_\_

4) 8

\_\_\_\_\_

5) 32

\_\_\_\_\_

7) 21

\_\_\_\_\_

9) 9

\_\_\_\_\_

11) 38

\_\_\_\_\_

12) 27

\_\_\_\_\_

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**Answer key****Prime Factorization**

ES1

Write each number in prime factor form.

1) 24

$$24 = 2 \times 2 \times 2 \times 3$$

2) 39

$$39 = 3 \times 13$$

3) 22

$$22 = 2 \times 11$$

4) 8

$$8 = 2 \times 2 \times 2$$

5) 32

$$32 = 2 \times 2 \times 2 \times 2 \times 2$$

7) 21

$$21 = 3 \times 7$$

9) 9

$$9 = 3 \times 3$$

12) 27

$$27 = 3 \times 3 \times 3$$

11) 38

$$38 = 2 \times 19$$

$$14 = 2 \times 2 \times 5$$

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