

**Prime Factorization**

MS1

Write each number in prime factor form.

1) 72

\_\_\_\_\_

2) 36

\_\_\_\_\_

3) 48

\_\_\_\_\_

4) 81

\_\_\_\_\_

5) 15

\_\_\_\_\_

7) 96

\_\_\_\_\_

9) 32

\_\_\_\_\_

11) 62

\_\_\_\_\_

12) 55

\_\_\_\_\_

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

MS1

Write each number in prime factor form.

1) 72

$$72 = 2 \times 2 \times 2 \times 3 \times 3$$

2) 36

$$36 = 2 \times 2 \times 3 \times 3$$

3) 48

$$48 = 2 \times 2 \times$$

4) 81

$$3 \times 3 \times 3$$

5) 15

$$15 = 3 \times 5$$

7) 96

$$96 = 2 \times 2 \times$$

9) 32

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

12) 55

$$55 = 5 \times 11$$

11) 62

$$62 = 2 \times 31$$

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