

Prime Factorization

DS2

Write each number in prime factor form.

1) 540

2) 172

3) 363

4) 346

5) 68

7) 676

9) 216

11) 168

12) 940

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Answer key**Prime Factorization**

DS2

Write each number in prime factor form.

1) 540

$$\underline{540 = 2 \times 2 \times 3 \times 3 \times 3 \times 5}$$

2) 172

$$\underline{172 = 2 \times 2 \times 43}$$

3) 363

$$\underline{363 = 3 \times 121}$$

4) 346

$$\underline{346 = 2 \times 173}$$

5) 68

$$\underline{68 = 2 \times 2 \times 17}$$

7) 676

$$\underline{676 = 2 \times 2 \times 13 \times 13}$$

9) 216

$$\underline{216 = 2 \times 2 \times 2 \times 3 \times 3 \times 3}$$

12) 940

$$\underline{940 = 2 \times 2 \times 5 \times 47}$$

11) 168

$$\underline{168 = 2 \times 2 \times 2 \times 3 \times 7}$$

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