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## Exponents in Factor Form (D)

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Write each exponent in factor form.

Exponent

$5^6 = 5 \times 5 \times 5 \times 5 \times 5 \times 5$  ○ ○ ○

Base

Multiply 5 (the base) by itself 6 (the exponent) times.

$5^5 =$

$9^9 =$

$3^6 =$

$2^8 =$

$6^2 =$

$9^2 =$

$5^2 =$

$9^{12} =$

$5^4 =$

# Exponents in Factor Form (D) Answers

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Write each exponent in expanded form.

$$5^6 = 5 \times 5 \times 5 \times 5 \times 5 \times 5$$

$$5^5 = 5 \times 5 \times 5 \times 5 \times 5$$

$$9^9 = 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9$$

$$3^6 = 3 \times 3 \times 3 \times 3 \times 3 \times 3$$

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

$$6^2 = 6 \times 6$$

$$9^2 = 9 \times 9$$

$$5^2 = 5 \times 5$$

$$9^{12} = 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9$$

$$5^4 = 5 \times 5 \times 5 \times 5$$