

Multiplying Integers and Dividing Integers

6th Grade Mathematics

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Multiplying and Dividing Integers

Rules for multiplying and dividing integers.

Rule 1: Signs the same, the answer is positive. $-4 \cdot -7 = 28$

Rule 2: Signs different, the answer is negative. $24 \div -6 = -4$

Multiplying and Dividing Integers

Example 1: Find each product or quotient.

$$-8 \cdot 4$$

signs the same or different

different

The answer is negative

$$-32$$

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Example 2: Find each product or quotient.

$$49 \div -7$$

signs the same or different

different

The answer is negative

$$-7$$

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Example 3: Find each product or quotient.

$$-27 \div -3$$

signs the same or different

same

The answer is positive.

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Multiplying and Dividing Integers

Example 4: Find each product or quotient.

$$8 \cdot 3(-4)$$

$$24(-4)$$

$$-96$$

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Example 5: Find each product or quotient.

$$-200 \div 25$$

$$-8$$

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Example 6: Find each product or quotient.

$$-6 \cdot 12 \div -24$$

$$-72 \div -24$$

$$3$$

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The End!