Finding Sums and Differences of Real Numbers

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| Use the number line to find each sum. 1. $-5+2$

I I I I I I I I I I I I I-5 +2 = -31. $-4+(-3)$

I I I I I I I I I I I I I$$-4+\left(-3\right)= -7$$ | Use the number line to find each difference. 1. $-3-(-5)$

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1. What is the sum of a number and its opposite? 0

Finding products and Quotients of Real Numbers

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| Find each product. 1. $-8\left(12\right)= -96$
2. $10\left(-2.5\right)= -25$
 | 1. $8\left(-\frac{1}{4}\right)= -2$
2. $\frac{2}{11}\left(-\frac{11}{2}\right)= -1$
 | Find each quotient. 1. $20 ÷ \frac{1}{4}=80$
2. $-5 ÷\left(-\frac{5}{3}\right)= 3$
 | 1. $\frac{9}{10} ÷ \frac{3}{5}=\frac{3}{2} $
2. $15 ÷\left(-3\right)= -5$
 |

1. Determine whether each sentence is *always, sometimes,* or *never* true.
2. The product of a number and its reciprocal is -1.

Never

1. The quotient of a nonzero number and its opposite is -1.

Always

1. If the product of two fractions is negative, then their quotient is positive.

Never