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 I1. $-4+(-3)$

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

Finding products and Quotients of Real Numbers

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| Find each product. 1. $-8(12)$
2. $10(-2.5)$
 | 1. $8(-\frac{1}{14})$
2. $\frac{2}{11}(-\frac{11}{2})$
 | Find each quotient. 1. $20 ÷ \frac{1}{4}$
2. $-5 ÷(-\frac{5}{3})$
 | 1. $\frac{9}{10} ÷ \frac{3}{5}$
2. $15 ÷(-3)$
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1. Determine whether each sentence is *always, sometimes,* or *never* true.
2. The product of a number and its reciprocal is -1.
3. The quotient of a nonzero number and its opposite is -1.
4. If the product of two fractions is negative, then their quotient is positive.