

<p>What is the additive inverse of <math>-\frac{5}{6}</math>?</p> <p>1. (1) <math>\frac{5}{6}</math>                      (3) <math>-\frac{6}{5}</math>          (2) <math>\frac{6}{5}</math>                      (4) 0</p>	<p>Which equation is an illustration of the multiplicative inverse property?</p> <p>6. (1) <math>x \cdot 1 = x</math>                      (3) <math>x - x = 0</math>          (2) <math>x + 0 = x</math>                      (4) <math>x \cdot \frac{1}{x} = 1</math></p>	<p>1. _____          2. _____</p>
<p>2. Simplify: <math>\frac{10 - (-17)}{4 - 10 + (-3)}</math></p>	<p>If <math>a</math>, <math>b</math>, and <math>c</math> are real numbers, the associative property of multiplication states that</p> <p>7. (1) <math>(a + b) + c = c + (a + b)</math>          (2) <math>a(b + c) = ab + ac</math>          (3) <math>a(bc) = (ab)c</math>          (4) <math>(a + b) + c = a + (b + c)</math></p>	<p>3. _____          4. _____</p>
<p>If <math>x = 5</math> and <math>a = -1</math>, what is the value of</p> <p>3. <math>\frac{a^2 - x^2}{a + x}</math>?</p>	<p>8. Solve: <math>\frac{-15}{x} = \frac{9}{2}</math></p>	<p>5. _____          6. _____</p>
<p>What is the multiplicative inverse of <math>5A</math>?</p> <p>4. (1) <math>-\frac{1}{5A}</math>                      (3) <math>-5</math>          (2) <math>-5A</math>                      (4) <math>\frac{1}{5A}</math></p>	<p>9. Simplify: <math>16 \div 8 - 4 + (-1)^2</math></p>	<p>7. _____          8. _____</p>
<p>Which property is illustrated by the equation <math>6(bc) = (bc)6</math>?</p> <p>5. (1) associative                      (3) commutative          (2) distributive                      (4) identity</p>	<p>10. Simplify: <math>\frac{5}{-7} - \frac{4}{9}</math></p>	<p>9. _____          10. _____</p>

<p>11. Simplify: <math>\frac{-4 - (-1)}{10 - 11} + \frac{-9}{-3}</math></p>	<p>Which equation is an illustration of the distributive property?</p> <p>16. (1) <math>6t + 9u = 9u + 6t</math>  (2) <math>9 + (d^2 + 2d + 1) = (d^2 + 2d + 1) + 9</math>  (3) <math>x(d^2 + 2d + 1) = xd^2 + 2dx + x</math>  (4) <math>45 + (x + x) = (45 + x) + x</math></p>	<p>11. _____</p> <p>12. _____</p>
<p>12. Simplify: <math>\frac{-4}{p} \div \frac{5}{9m}</math></p>	<p>17. Simplify: <math>\frac{2}{7} - \frac{1}{8}</math></p>	<p>13. _____</p> <p>14. _____</p>
<p>13. What is the reciprocal of <math>\frac{a}{b}</math>?</p>	<p>18. What is the additive inverse of <math>-\frac{4}{w}</math>?</p>	<p>15. _____</p> <p>16. _____</p>
<p>14. Evaluate <math>\frac{9x + 7y}{x^2y}</math> if <math>x = -1</math> and <math>y = -2</math>.</p>	<p>19. Simplify: <math>-1 - (-1) + (-2)(2)^2(10 - 3)</math></p>	<p>17. _____</p> <p>18. _____</p>
<p>15. Simplify: <math>2(-2)^2 - 10 \cdot 5</math></p>	<p>20. Evaluate <math>xy^2 + z</math> if <math>x = -2</math>, <math>y = -3</math>, and <math>z = -7</math>.</p>	<p>19. _____</p> <p>20. _____</p>