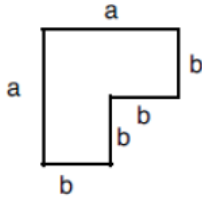
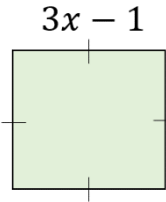


<p>1) Simplify</p> <p>a) $a + 2a + 7a$</p> <p>b) $3xy + 7yx$</p> <p>c) $2a - 7a + a$</p> <p>d) $x^2 + 3x^2$</p>	<p>2) Simplify</p> <p>a) $4a + 5b + 2a + 7b$</p> <p>b) $6x - 7y - 2x + 3y$</p> <p>c) $7x^2 - 5x - 6x + 3 + x^2$</p>	<p>3) $a = 4, b = 7, c = -2$ Find the value of:</p> <p>a) $3a$</p> <p>b) $b + c$</p> <p>c) $5a + 2b$</p>	<p>4) Solve</p> <p>a) $x + 2 = 8$</p> <p>b) $3a = 18$</p>
<p>5) Simplify</p> <p>a) $2x \times 4$</p> <p>b) $a \times a \times a \times a$</p> <p>c) $4b \times 3b$</p> <p>d) $5xy \times 6xy$</p>	<p>6) $x = 3$ and $y = 7$ Find the value of</p> <p>a) x^2</p> <p>b) $2y^2$</p> <p>c) $\frac{x^2+y}{4}$</p>	<p>7) Solve</p> <p>a) $2c + 3 = 13$</p> <p>b) $4 + 5y = 11$</p>	<p>8) Solve</p> <p>a) $x + x + x + x = 17$</p> <p>b) $\frac{1}{2}x = 10$</p>
<p>9) Simplify</p> <p>a) $10x \div 2$</p> <p>b) $15x \div 3x$</p> <p>c) $\frac{x+x+x}{3}$</p> <p>d) $3mn \div n$</p>	<p>10) Solve</p> <p>a) $\frac{x}{4} = 2.5$</p> <p>b) $\frac{x}{2} - 3 = 7$</p>	<p>11) Find the mistake: Solve $5x - 2 = 10$</p> $\begin{array}{r} 5x - 2 = 10 \\ +5 \quad +5 \\ \hline x - 2 = 2 \\ +2 \quad +2 \\ \hline x = 4 \end{array}$ <p>b) Explain why this is wrong.</p>	<p>12) Elizabeth is x years old. Write an expression for each person's age:</p> <p>a) Alex is 3 years older than Elizabeth.</p> <p>b) Miles is 2 years younger than Elizabeth.</p> <p>c) Leah is double Elizabeth's age.</p> <p>d) Now find an expression for the total of their ages.</p>
<p>13) Write down two equations that would have a solution of $x = 4$</p>	<p>14) Write down an expression for the perimeter</p> 	<p>15) Find an expression for the perimeter</p> 	<p>16) The perimeter of this shape is 50cm. Find the value of x.</p> 