



Always, Sometimes or Never?

Always, Sometimes or Never? – Grid

Always True	Sometimes True	Never True
<p>If you add a multiple of 10 to a multiple of 5 the answer is a multiple of 5</p> <p>P: $5x + 10x = 5x + (2x)(5x)$</p> <p>If you add 1 to an odd number you get an even number</p> <p>P: $(2x+1)+1 = 2x+2$ odd + odd = even</p>	<p>Multiples of 5 end in a 5</p> <p>P: $25 = 5 \times 5$ CP: $10 = 5 \times 2$ E: odd multiples of 5 give end in 5</p> <p><i>Handwritten notes:</i> This is an odd multiple of five ends in five this is an even multiple of five 10 doesn't end in five</p>	<p>If you add two odd numbers you get an odd number</p> <p>P: $(2x+1) + (2x+1) = 4x+2$ odd + odd = even</p> <p>F: If you add two numbers you get an even number</p>
<p>The sum of three numbers is odd</p> <p>P: $3+3+3 = 9$ CP: $2+2+2 = 6$ E: the sum of three odd numbers is odd</p>		



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<p>The sum of three consecutive numbers is divisible by 3</p> <p>P: $(x-1) + x + (x+1) = 3x$</p> <p>Dividing a whole number by a half makes it twice as big</p> <p>P: $x \div \frac{1}{2} = 2x$</p>	<p>If you add a number to 5 your answer will be bigger than 5</p> <p>P: $5+1=6$ CP: $5+0=5$ or $5+(-1)=4$ F: If you add a positive number to 5 it will be bigger than 5.</p> <p>When you multiply two numbers you will always get a bigger number</p> <p>P: $2 \times 2 = 4$ CP: $2 \times 2 = -4$ F: Two positive integers multiplied together makes a bigger number.</p>	<p>A square number has an even number of factors</p> <p>CP: $16 = 2^4 = 5 \text{ factors}$ $2^4 = 16$ $2^2 = 4$ $2^1 = 2$ F: A square number has an odd number of factors.</p>