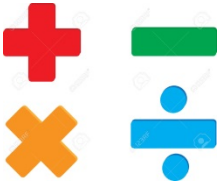
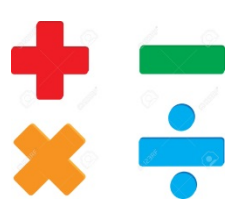




GCSE - Numeracy and Mathematics Topic: Rearranging formula	Tier: Intermediate	Grade: C/D
Starter: Simplify the following: (a) $18c - 7c =$ (b) $24a + 5 - 13a =$ (c) $7mn + 8m + 3 - mn =$	Top Tips! Remember <u>Inverse Operations</u> : means opposite Opposite of addition is subtraction Opposite of multiplication is division. 	
Skills: 1. Expand the brackets: (a) $8(4p + 2) =$ (b) $4(c + 3) + 3(c - 2) =$ 2. Solve the following: (a) $5a - 4 = 16$ (b) $8e - 2 = e + 26$ 3. Rearrange to make m the subject of the formula: (a) $p = m + nk$ (b) $p = k + mn$	Examination Question: 2016 January Link Methods U1 Higher Q7 (a) Rearrange $13g = 2(g + 3t)$ to make g the subject of the formula. [3] (b) Rearrange $\sqrt{h} + 4 = 3f$ to make h the subject of the formula. [2]	

Assessment for Learning

Video / QR code

<p>GCSE - Numeracy and Mathematics</p> <p>Topic: Rearranging formula</p>	<p>Tier: Intermediate</p>	<p>Grade: C/D</p>
<p>Starter:</p> <p>Simplify the following:</p> <p>(a) $18c - 7c = 11c$</p> <p>(b) $24a + 5 - 13a = 11a + 5$</p> <p>(c) $7mn + 8m + 3 - mn = 8mn + 8m + 3$</p>	<p>Top Tips!</p> <p>Remember <u>Inverse Operations</u>: means opposite</p> <p>Opposite of addition is subtraction</p> <p>Opposite of multiplication is division.</p> 	
<p>Skills:</p> <p>1. Expand the brackets:</p> <p>(a) $8(4p + 2) = 32p + 16$</p> <p>(b) $4(c + 3) + 3(c - 2) = 7c + 6$</p> <p>2. Solve the following:</p> <p>(a) $5a - 4 = 16$</p> <p>$5a = 16 + 4$</p> <p>$5a = 20$</p> <p>$a = 4$</p> <p>(b) $8e - 2 = e + 26$</p> <p>$8e - e = 26 + 2$</p> <p>$7e = 28$</p> <p>$e = 4$</p> <p>3. Rearrange to make m the subject of the formula:</p> <p>(a) $p = m + nk$</p> <p>$p - nk = m$ <u>or</u> $m = p - nk$</p> <p>(b) $p = k + mn$</p> <p>$p - k = mn$</p> <p>$\frac{p-k}{n} = m$ <u>or</u> $m = \frac{p-k}{n}$</p>	<p>Examination Question: 2016 January Link Methods U1 Higher Q7</p> <p>(a) Rearrange $13g = 2(g + 3t)$ to make g the subject of the formula. [3]</p> <p>$13g = 2g + 6t$</p> <p>$13g - 2g = 6t$</p> <p>$11g = 6t$</p> <p>$g = \frac{6t}{11}$</p> <p>(b) Rearrange $\sqrt{h} + 4 = 3f$ to make h the subject of the formula. [2]</p> <p>$\sqrt{h} = 3f - 4$</p> <p>$h = (3f - 4)^2$</p>	

<p>Assessment for Learning</p>

<p>Video / QR code</p>
