

Maths Workout - Algebra & Problem Solving

Topic 20 - Changing the Subject of a Formula				
Target 1	Target 2	Target 3	Target 4	Target 5
Change the subject of a formula: 1 or more operations required	Change the subject of a formula: 2 or more operations required	Change the subject of a formula: 3 or more operations required	Change the subject of a formula involving squares and square roots	Change the subject of a formula: 3 or more operations required including factorisation
1. Change the subject of a formula of the form $a+b=c$, new subject positive in original formula	1. Mixed exercises on Target 1: extension	1. Demo: Change the subject of a formula of the form $a=3(b+c)$, $a=b/c(x+d)$	1. Demo: Change the subject of a formula involving squares and square roots	1. Demo: Change the subject of a formula of the form $3(y+2)=4(x-1)$, $y+b=x+ax$
2. Change the subject of a formula of the form $a+b=c$, $ab+c=d$, new subject positive in original formula	2. Mixed exercises on Target 1: extension	2. Change the subject of a formula of the form $a=3(b+c)$	2. Change the subject of a formula involving squares and square roots	2. Change the subject of a formula of the form $3(y+2)=4(x-1)$, $y+b=x+ax$
3. Change the subject of a formula of the form $a-b=c$, $ab+c=d$	3. Demo: Change the subject of a formula of the form $c=ut+d$, $c=a/b+f$	3. Change the subject of a formula of the form $c=f/g(u+v)$	3. Change the subject of a formula involving squares and square roots	3. Change the subject of a formula of the form $3(y+2)=4(x-1)$, $y+b=x+ax$
4. Mixed exercises from Task 1 to 3 with coefficients	4. Change the subject of a formula of the form $c=ut+d$	4. Mixed exercises on tasks 2-3	4. Change the subject of a formula involving squares and square roots	4. Change the subject of a formula: miscellaneous examples
5. Change the subject of a formula of the form $A=bh$, $d=cde$, new subject positive in original formula	5. Change the subject of a formula of the form $c=a/b+f$	5. Demo: Change the subject of a formula of the form $c=a/b+f$, $a=(2x+y^2)/3$	5. Change the subject of a formula involving squares and square roots	5. Change the subject of a formula: miscellaneous examples
6. Change the subject of a formula of the form $A=bh$, $d=-4cde$	6. Mixed exercises from Tasks 4 and 5 with coefficients	6. Change the subject of a formula of the form $c=a/b+f$, $a=(2x+y^2)/3$		
7. Change the subject of a formula of the form $R=V/I$, new subject positive in original formula	7. Mixed exercises from Tasks 4 and 5 with coefficients	7. Mixed examples of changing the subject of a formula		
8. Change the subject of a formula of the form $R=V/I$				