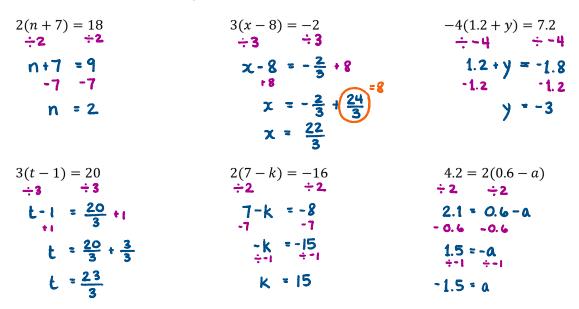
## 7.3 Equations with Brackets

## Math 9

## **Equations with Brackets**

Solve each equation. Show how you are isolating the variable.

Method 1: Divide both sides by the number in front of the brackets.



**Method 2:** Multiply the number in front of the brackets with the terms inside the brackets. Then solve the two-step equation.

2(n+7) = 18	3(x-8) = -2	-4(1.2+y) = 7.2
2n+14 = 18 -14 -14	3x-24 = -2. +24 +24	-4.8-4y = 7.2
2n = 4 $\div^2  \div^2$ n = 2	$3x = 22$ $3x = 22$ $x = \frac{22}{3}$	-4y = 12 ÷-4 ÷-4 y = -3
3(t-1) = 20	2(7-k) = -16	4.2 = 2(0.6 - a)
3t - 3 = 20 + 3 + 3	14-2k = -16 -14 -14	4.2 = 1.2 - 2a -1.2 -1.2
3t = 23 ÷3 ÷3	-2k = -30 ÷-2 ÷-2	3 = -2a ÷-2 ÷-2
$t = \frac{23}{3}$	k ≈ 15	$-\frac{3}{2}=0$

Which method do you prefer?

Part 1 of Assignment: p.318 #1, 6, 23

Solve each equation. Show how you are isolating the variable.

3(m+2)

Part 2 of Assignment: p.320#9 – 11