

Solving Algebraic Equations



As you solve these equations use your understanding from the **Bags of Gold** problems to explain your answer. You may draw a picture, use manipulatives or solve symbolically.

1. $3x = 2x + 7$

2. $2m - 2 = 22$

3. $2y = -14$

4. $b + 3 = 2$

5. $5r + 44 = 9r + 2$

6. $36 = 3a + 6$

7. $108 + 11n = 7n + 4$

8. $12p + 21 = 10p + 26$

9. $-4 + 5g = -2 + 3g$

10. $4h + 7 = 23 + 4h$