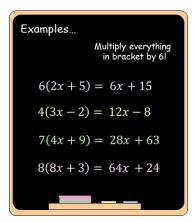
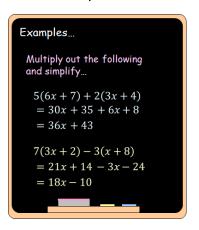
# Outcome 1 - Multiplying out Single Brackets

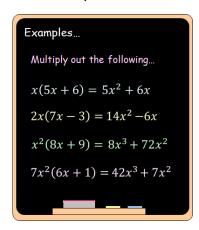
Bronze examples...



Silver examples

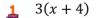


Gold examples



# **Bronze Questions**

Expand the following single brackets...



$$2(5x-3)$$

$$3 (2x + 5)$$

$$5(2x+5)$$
  $4$   $7(3x+7)$ 

$$5 4(7x-4)$$

$$8(6x-7)$$

$$\mathbf{Z}$$
 6(9x + 10)

$$\mathbf{8} \ 10(3x-11)$$

$$9(x+12)$$

$$10 12(11x - 3)$$

# Silver Questions

Expand the following single brackets...



$$2(x+7) + 3(4x+9)$$

$$2 4(3x+7) + 2(5x+8)$$

$$3 5(4x+1) + 4(x+6)$$

$$49(x+11)+7(5x+2)$$

$$5 (7x+3) + 10(6x+13)$$

$$8(8x+1)-7(4x+3)$$

$$5(9x+2)-2(4x+9)$$

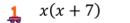
$$8 7(6x+7)-3(2x+11)$$

$$4(6x+1)-5(5x+12)$$

$$49 = 3(7x+8) - 11(2x+9)$$

#### Gold Questions

Expand the following single brackets...



$$(3x-1)$$

$$x(2x+9)$$

$$x(2x+9)$$
  $\triangleq$   $6x(2x+5)$ 

$$2x(9x-2)$$

$$x^2(2x+9)$$

$$x^2(2x+9)$$
  $x^2(10x-3)$ 

$$9 3x^2(7x+4)$$

$$3x^2(7x+4)$$
  $5x^2(7x-9)$ 

### Bronze Answers

1. 
$$3x + 12$$

3. 
$$10x + 25$$

5. 
$$28x - 16$$

7. 
$$54x + 60$$

9. 
$$9x + 108$$

2. 
$$10x - 6$$

4. 
$$21x + 49$$

6. 
$$48x - 56$$

8. 
$$30x - 110$$

10. 
$$132x - 36$$

# Silver Answers

1. 
$$14x + 41$$

2. 
$$22x + 44$$

3. 
$$24x + 29$$

4. 
$$44x + 113$$

5. 
$$81x + 139$$

6. 
$$36x - 13$$

7. 
$$37x - 8$$

8. 
$$36x + 16$$

9. 
$$-x - 56$$
 10.  $-x - 75$ 

10. 
$$-x - 75$$

# Gold Answers

1. 
$$x^2 + 7x$$
 2.  $3x^2 - x$ 

2. 
$$3x^2 - x$$

3. 
$$2x^2 + 9x$$

4. 
$$12x^2 + 30x$$

5. 
$$18x^2 - 4x$$

5. 
$$18x^2 - 4x$$
 6.  $40x^2 - 24x$ 

7. 
$$2x^3 + 9x^2$$

8. 
$$10x^3 - 3x^2$$

9. 
$$21x^3 + 12x^2$$

10. 
$$35x^3 - 45x^2$$