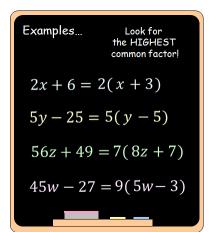
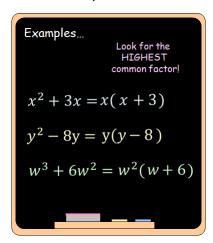
Outcome 1 - Common Factor

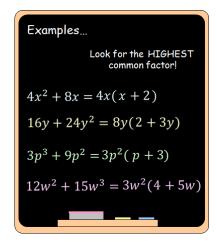
Bronze examples...



Silver examples



Gold examples



Bronze Questions

Factorise the following expressions...



$$\stackrel{2}{\sim}$$
 $10y-2$

$$30p + 45$$

$$21r + 35$$

$$40s - 28$$

$$= 24t - 32$$

$$36z + 42$$

$$30m - 30$$

$$3 18n + 99$$
 $96b - 36$

Silver Questions



$$d^2 + 5d$$

$$\frac{2}{t^2}$$
 $t^2 - 12t$

$$4h+h^2$$

$$4h + h^2 \qquad \clubsuit \qquad 3p - p^2$$

$$u^2 - 7u$$

$$k^3 + 8k^2$$
 $k^3 + 5r^2$

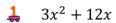
$$r^3 + 5r^2$$

$$9g^2 + g^3$$
 $Q^2 + 15g^3$

$$a^2 + 15a^3$$

Gold Questions

Factorise the following expressions...



$$4 6q^2 + 12q$$

$$\frac{21t^2 + 56t}{3}$$

$$21t^2 + 56t$$
 $4 \cdot 5y + 35y^2$

$$49m + 7m^2$$

$$2h^3 + 18h^2$$

$$2h^3 + 18h^2$$
 8 $64d^3 + 40d^2$

$$2 12e^2 + 6e^3$$

$$12e^2 + 6e^3$$
 14 $r^3 + 42r^2$

Bronze Answers

- 3(x + 7)1.
- 2. 2(5y-1)
- 3. 5(4p + 9)
- 4. 7(3r+5)
- 4(10s 7)5.
- 7. 6(6z + 7)
- 6. 8(3t-4)8. 10(7m-3)
- 9. 9(2n+11)
- 10. 12(8b 3)

Silver Answers

- 1. d(d+5)
- 2. t(t-12)
- 3. h(4 + h)
- 4. p(3-p)6. q(q+2)
- 5. u(u-7)

- 7. $k^2(k+8)$ 8. $r^2(r+5)$
- $g^2(9+g)$ 9.
- 10. $g^2(1+15g)$

Gold Answers

- 1. 3x(x+4)
- 2. 6q(q+2)
- 3. 7t(3t+8)
- 4. 5y(1+7y)
- 5. 7m(7+m)
- **6**. 9s(4+3s)
- 7. $2h^2(h+9)$ 8. $8d^2(8d+5)$ 9. $6e^2(2+e)$ 10. $14r^2(r+3)$