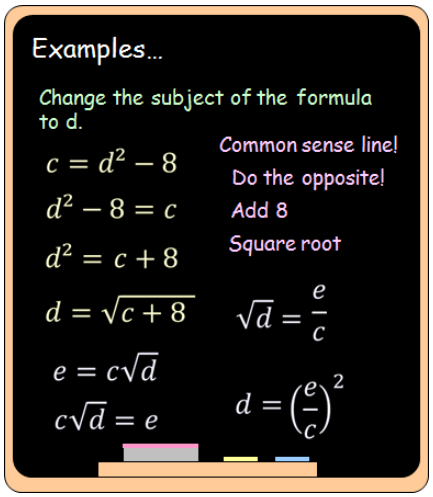
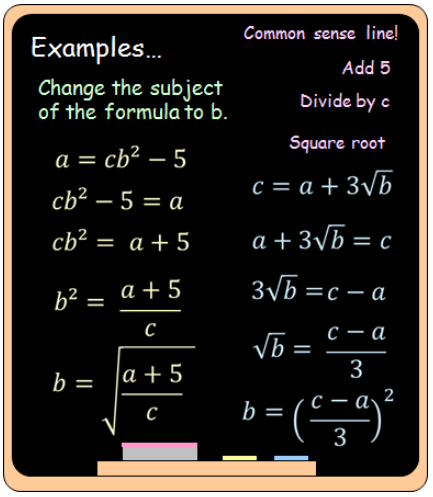
Outcome 2 – 2/3 step questions/Solving for the denominator

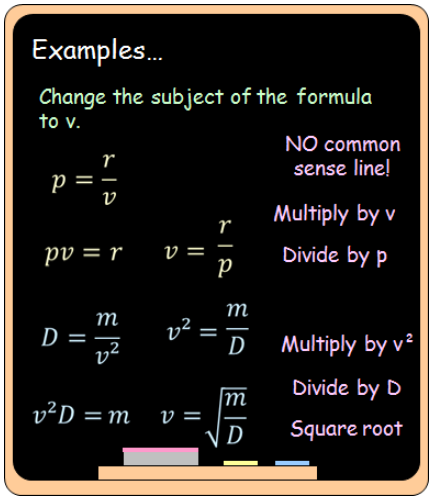
Bronze examples



Silver examples



Gold examples



Bronze Questions

Change the subject of the formula to the letter in the bracket...

1. $b = c^2 + d$ (c)
2. $p = q + r^2$ (r)
3. $r = t^2 - 5$ (t)
4. $d = 4f^2$ (f)
5. $A = 4\pi r^2$ (r)
6. $W = \frac{e^2}{r}$ (e)
7. $k = \frac{p^2}{l}$ (p)
8. $v = \sqrt{\frac{w}{2}}$ (w)
9. $c = \sqrt{d} + f$ (d)
10. $r = \frac{\sqrt{s}}{8}$ (s)

Silver Questions

Change the subject of the formula to the letter in the bracket...

1. $r = bx^2 - n$ (x)
2. $e = 9r^2 + 1$ (r)
3. $h = 4 + aT^2$ (T)
4. $y = \frac{v^2}{z} + 3$ (v)
5. $A = \frac{w^2 r}{p}$ (w)
6. $h = \frac{e^2}{c} + g$ (e)
7. $l = \left(\frac{m}{n}\right)^2 + k$ (m)
8. $a = b\left(\frac{c}{d}\right)^2$ (c)
9. $v = c + 2\sqrt{a}$ (a)
10. $e = a\sqrt{s} - v$ (s)

Gold Questions

Change the subject of the formula to the letter in the bracket...

1. $d = \frac{a}{c}$ (c)
2. $g = \frac{8}{l}$ (l)
3. $b = \frac{w-5}{m}$ (m)
4. $y = \frac{z+4}{x}$ (x)
5. $C = \frac{a^2}{p}$ (p)
6. $w = \frac{r}{h^2}$ (h)
7. $r = \frac{s^2}{5t}$ (t)
8. $u = \sqrt{\frac{3}{v}}$ (v)

Bronze Answers

1. $c = \sqrt{b-d}$
2. $r = \sqrt{p-q}$
3. $t = \sqrt{r+5}$
4. $f = \sqrt{\frac{d}{4}}$
5. $r = \sqrt{\frac{A}{4\pi}}$
6. $e = \sqrt{Wr}$
7. $p = \sqrt{kl}$
8. $w = 2v^2$
9. $d = (c-f)^2$
10. $s = (8r)^2$

Silver Answers

1. $x = \sqrt{\frac{r+n}{b}}$
2. $r = \sqrt{\frac{e-1}{9}}$
3. $T = \sqrt{\frac{h-4}{a}}$
4. $v = \sqrt{z(y-3)}$
5. $w = \sqrt{\frac{Ap}{r}}$
6. $e = \sqrt{c(h-g)}$
7. $m = n\sqrt{l-k}$
8. $c = d\sqrt{\frac{a}{b}}$
9. $a = \left(\frac{v-c}{2}\right)^2$
10. $s = \left(\frac{e+v}{a}\right)^2$

Gold Answers

1. $c = \frac{a}{d}$
2. $l = \frac{8}{g}$
3. $m = \frac{w-5}{b}$
4. $x = \frac{z+4}{y}$
5. $p = \frac{a^2}{C}$
6. $h = \sqrt{\frac{r}{w}}$
7. $t = \frac{s^2}{5r}$
8. $v = \frac{3}{u^2}$