MORE SOLVING FRACTIONAL EQUATIONS

Solve for y: $\frac{(2y+7)}{3} = \frac{(3y-2)}{2}$

$$\frac{(2y+7)}{3} = \frac{(3y-2)}{2}$$

$$\frac{6(2y+7)}{3} = \frac{6(3y-2)}{2}$$

$$2(2y+7) = 3(3y-2)$$

$$4y + 14 = 9y - 6$$

$$4y + 14 - 14 = 9y - 6 - 14$$

$$4y = 9y - 20$$

$$4y - 9y = 9y - 9y - 20$$

$$-5y = -20$$

$$\frac{-5y}{-5} = \frac{-20}{-5}$$

$$y = 4$$

ACTIVITY

a) Solve for h: $\frac{(2h-2)}{2} = \frac{(h-9)}{3}$

b) Solve for p: $\frac{(2p-2)}{3} = \frac{(2p-2)}{5}$

c) Solve for b: $\frac{b+3}{3} = \frac{b+2}{4}$

d) Solve for n: $\frac{3}{n+2} = \frac{4}{2n+2}$

e) Solve for y: $\frac{(y+2)}{2} = \frac{(y+5)}{3}$

f) Solve for h: $\frac{(h-3)}{2} = \frac{(h+4)}{4}$

g) Solve for a: $\frac{(2a+5)}{4} = \frac{(2+a)}{3}$

h) Solve for y: $\frac{(2y+7)}{3} = \frac{(3y-2)}{2}$