Solve Multi-Step Equations

1. Majed runs the same distance each day, for 5 days. Fahed ran 2 km less than Majed each day for 7 days, and he also ran 2 km one other day. Fahed and Majed ran the same total distance. Solve the equation $5x=7(x-2)+2$ to find the distance, x, that Majed runs each day

$$5x=7(x-2)+2$$

$$5x = \quad - \quad +2$$

$$5x \quad = -14+$$

$$= -12$$

$$x =$$

2. Solve the equation, $7(0.3b-4)=4(0.5b-1)$.

$$7(0.3b-4) = 4(0.5b-1)$$

$$-28 = 2b$$

$$2.1b - \quad = 28 - 4$$

$$b=$$

LIVEWORKSHEETS