

$$\frac{2}{3}(\cancel{x} + 2) = 20$$

$$\frac{3}{2} \cdot \frac{2}{3} (x+2) = 20 \cdot \frac{3}{2}$$

$$\frac{6}{6} (x+2) = 30$$

$$x+2 = 30$$

-2 -2

$$x = 28$$