10.19.15

We need some fraction practice. Please solve the following equations for x. (no decimals)

$$\frac{6}{1}\left(\frac{x}{2}+\frac{1}{3}\right)=\left(\frac{x}{3}+\frac{1}{2}\right)\frac{6}{1}$$

$$\frac{6x}{2}+\frac{6}{3}=\frac{6x}{3}+\frac{6}{2}$$

$$3x+2=2x+3$$

$$-2x \quad -2x$$

$$x+2=3$$

$$-2 \quad -2$$

$$\boxed{x=1}$$

$$\frac{\frac{2}{3}(x+5)}{\frac{2}{3}}=\frac{\frac{4}{9}}{\frac{2}{3}}$$

$$\frac{3}{2}\cdot\frac{2}{3}(x+5)=\frac{4}{9}\cdot\frac{3}{2}$$

$$x+5=\frac{12}{18}$$

$$x+5=\frac{2}{3}$$

$$2=3(x+5)$$

$$2=3x+15$$

$$-15 \quad -15$$

$$-13=3x$$

$$\frac{-13}{3}=\frac{3x}{3}$$

$$\frac{-13}{3}=x$$