

Conditions

$$5(2m+3)/2-(1-2m)/3=2 [3(3+2m)-(3-m)]$$

Solution

$$\frac{5(2m+3)}{2} - \frac{1-2m}{3} = 2 [3(3+2m) - (3-m)]$$

$$\frac{30m+45-2+4m}{6} = 2 [9+6m-3+m]$$

$$30m+45-2+4m = 6(12+14m)$$

$$34m+43 = 72+84m$$

$$-50m = 72-43$$

$$m = -\frac{29}{50}$$