



$$C = \frac{1}{-\frac{7}{4} + 1} = \frac{1}{-\frac{7}{4} + \frac{4}{4}} = \frac{1}{-\frac{3}{4}} = -\frac{4}{3}$$

$$C = -\frac{4}{3}$$

$$D = \frac{-\frac{14}{5}}{-\frac{7}{3}} = -\frac{14}{5} \times -\frac{3}{7} = \frac{(-2) \times (-3)}{5}$$

$$D = \frac{6}{5}$$

$$*E = \frac{1}{\frac{5}{2} \times 3 - 2} = \frac{1}{\frac{15}{2} - \frac{2}{1}} = \frac{1}{\frac{15}{2} - \frac{4}{2}} = \frac{1}{\frac{11}{2}} = \frac{2}{11}$$

$$E = \frac{2}{11}$$

$$*F = \frac{-\frac{3}{7} \times \frac{5}{2}}{-\frac{3}{7} + \frac{5}{2}} = \frac{-\frac{15}{14}}{-\frac{6}{14} + \frac{35}{14}} = \frac{-\frac{15}{14}}{\frac{29}{14}} = -\frac{15}{14} \times \frac{14}{29} = -\frac{15}{29}$$

$$F = -\frac{15}{29}$$





تمرين عدد 2:

أوجد العدد الكسري x في كل حالة

$$-\frac{3}{4}x = \frac{5}{3}$$

$$a \div b \Leftrightarrow x = \frac{b}{a}$$

$$-\frac{3}{4}x = \frac{5}{3}$$

$$x = \frac{\frac{5}{3}}{-\frac{3}{4}} = \frac{5}{3} \times \frac{(-4)}{3}$$

$$x = -\frac{20}{9}$$

$$\frac{5}{x} = -\frac{10}{3}$$

$$\frac{a}{b} = \frac{c}{d} \Leftrightarrow ad = bc$$

$$b = \frac{a \times d}{c}$$

$$\frac{5}{x} = -\frac{10}{3} \Leftrightarrow 5 \times 3 = -10 \times x$$

$$\Leftrightarrow \frac{5 \times 3}{-10} = x$$

$$\Leftrightarrow x = \frac{-15}{10}$$

$$x = -\frac{3}{2}$$

$$\frac{x+(-3)}{2} = \frac{10}{3}$$

$$\Leftrightarrow (x+(-3)) \times 3 = 2 \times 10$$

$$\Leftrightarrow 3x - 9 = 20$$

$$\Leftrightarrow 3x = 20 + 9$$

$$3x = 29$$

$$x = \frac{29}{3}$$





تمرين عدد 1:

احسب ما يلي.

$$*A = \frac{-13}{17} \times \frac{5}{4} + \frac{-13}{17} \times 3 = \dots\dots\dots$$

$$*B = \frac{-7}{4} + \frac{7}{4} \times \frac{5}{4} = \dots\dots\dots$$

$$A = \frac{-13}{17} \times \left(\frac{5}{4} + 3 \right) = A = \frac{-13}{17} \times \left(\frac{5}{4} + \frac{12}{4} \right) = \frac{-13}{17} \times \frac{17}{4}$$

$$A = \frac{-13}{4}$$

$$B = \frac{7}{4} \times \left(-1 + \frac{5}{4} \right) = \frac{7}{4} \times \left(\frac{-4}{4} + \frac{5}{4} \right) = \frac{7}{4} \times \frac{1}{4}$$

$$B = \frac{7}{16}$$

$$*C = \frac{1}{\frac{-7}{4} + 1} = \dots\dots\dots \quad *D = \frac{\frac{-14}{5}}{\frac{-7}{3}} = \dots\dots\dots$$

$$*E = \frac{1}{\frac{5}{2} \times 3 - 2} = \dots\dots\dots$$





$$C = \frac{1}{-\frac{7}{4} + 1} = \frac{1}{-\frac{7}{4} + \frac{4}{4}} = \frac{1}{-\frac{3}{4}} = -\frac{4}{3}$$

$$C = -\frac{4}{3}$$

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$$D = \frac{6}{5}$$

$$*E = \frac{1}{\frac{5}{2} \times 3 - 2} = \frac{1}{\frac{15}{2} - \frac{2}{1}} = \frac{1}{\frac{15}{2} - \frac{4}{2}} = \frac{1}{\frac{11}{2}} = \frac{2}{11}$$

$$E = \frac{2}{11}$$

$$*F = \frac{-\frac{3}{7} \times \frac{5}{2}}{-\frac{3}{7} + \frac{5}{2}} = \frac{-\frac{15}{14}}{-\frac{6}{14} + \frac{35}{14}} = \frac{-\frac{15}{14}}{\frac{29}{14}} = -\frac{15}{14} \times \frac{14}{29} = -\frac{15}{29}$$

$$F = -\frac{15}{29}$$



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