

التمرين الأول:

$$E = \left\{ 6 ; -4 ; 2,6 ; \frac{5}{4} ; -\frac{7}{3} ; \frac{408}{8} ; \frac{8}{-5} ; \frac{-9}{-7} \right\}$$

نعتبر المجموعة التالية

أوجد :

$$E \cap \mathbb{N} = \dots\dots\dots$$

$$E \cap \mathbb{Z} = \dots\dots\dots$$

$$E \cap \mathbb{D} = \dots\dots\dots$$

$$E \cap \mathbb{Q}_+ = \dots\dots\dots$$

التمرين الثاني :

أحسب :

$$A = \frac{4}{5} + \frac{11}{2} = \dots\dots\dots B = \frac{7}{8} + \frac{-1}{2} = \dots\dots\dots$$

$$C = \left(\frac{-4}{5} \right) + \frac{11}{10} = \dots\dots\dots d = -\frac{1}{2} + \left(\frac{-7}{3} \right) = \dots\dots\dots$$

$$E = \frac{11}{8} + (-3) = \dots\dots\dots f = \left(\frac{-5}{11} \right) + \frac{17}{22} = \dots\dots\dots$$

$$G = \frac{5}{3} + \left(-\frac{1}{2} \right) + \frac{11}{6} = \dots\dots\dots$$

$$H = \left(-\frac{5}{8} \right) + \frac{7}{4} + \left(-\frac{1}{3} \right) = \dots\dots\dots$$

التمرين الثالث :

أحسب (1) :

$$A = \frac{7}{4} - \frac{8}{5} = \dots\dots\dots b = \frac{9}{8} - \frac{5}{2} = \dots\dots\dots$$

$$C = \frac{8}{5} - \frac{11}{3} = \dots\dots\dots d = -\frac{4}{5} - \left(-\frac{7}{20} \right) = \dots\dots\dots$$

$$E = \frac{4}{15} - \frac{11}{3} = \dots\dots\dots f = -\frac{11}{2} - \frac{7}{4} = \dots\dots\dots$$

$$A = \frac{4}{5} + \frac{5}{2} + \frac{11}{10} = \dots\dots\dots$$

$$B = -\frac{4}{9} + \frac{1}{3} + \left(\frac{-11}{6} \right) = \dots\dots\dots$$

$$C = -\frac{14}{5} + \frac{7}{20} - \frac{3}{10} = \dots\dots\dots$$

$$D = -\left(\frac{-8}{3}\right) - \frac{14}{9} + \frac{13}{27} = \dots\dots\dots$$

$$e = -\frac{3}{4} - \frac{1}{5} - \left(-\frac{19}{20}\right) = \dots\dots\dots$$

$$f = \frac{5}{2} - \frac{11}{4} - 3,5 = \dots\dots\dots$$

(2) a و b عدنان كسريان نسبيا حيث : $a + b = -\frac{7}{5}$ احسب العبارات التالية .

$$E = a + \left(\frac{3}{5} + b\right) = \dots\dots\dots$$

$$F = (b + 0,9) + \left(\frac{-1}{2} + a\right) = \dots\dots\dots$$

$$G = a - (-b) - \frac{1}{2} = \dots\dots\dots$$

$$h = \frac{11}{20} - a - \left(-\frac{3}{4}\right) - b = \dots\dots\dots$$

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