

Tarea y actividad No 6

Seria Bravo.

$$① \frac{3}{17} + \frac{8}{17} + \frac{11}{17} + \frac{23}{17} = \frac{3+8+11+23}{17} = \frac{45}{17} = 2 \frac{11}{17}$$

$$\begin{array}{r} 1 \\ 17 \overline{)45} \\ \underline{34} \\ 11 \end{array}$$

$$② \frac{18}{53} + \frac{32}{53} + \frac{40}{53} + \frac{1}{53} + \frac{16}{53} = \frac{18+32+40+1+16}{53} = \frac{117}{53} = 2 \frac{11}{53}$$

$$\begin{array}{r} 2 \\ 53 \overline{)117} \\ \underline{106} \\ 11 \end{array}$$

$$③ \frac{5}{21} + \frac{10}{21} + \frac{23}{21} + \frac{4}{21} = \frac{5+10+23+4}{21} = \frac{42}{21} = \frac{14}{7} = \frac{2}{1} = 2$$

$$④ \frac{5}{24} + \frac{7}{24} + \frac{11}{24} + \frac{13}{24} + \frac{17}{24} = \frac{5+7+11+13+17}{24} = \frac{53}{24} = 2 \frac{5}{24}$$

$$\begin{array}{r} 2 \\ 24 \overline{)53} \\ \underline{48} \\ 05 \end{array}$$

$$⑤ \frac{3}{5} + \frac{7}{4} + \frac{11}{6} = 4 \frac{11}{60}$$

$$\begin{array}{r} 5-4-6 \mid 2 \\ 5-2-3 \mid 2 \\ 5-1-3 \mid 3 \\ 5-1-1 \mid 5 \\ 1-1-1 \mid 60 \end{array}$$

$$\begin{array}{l} 60/5 = 12 \times 3 = 36 \\ 60/4 = 15 \times 7 = 105 \\ 60/6 = 10 \times 11 = 110 \end{array}$$

$$\begin{array}{r} 36+105+110 \\ \hline 251 \\ 60 \overline{)251} \\ \underline{240} \\ 11 \end{array}$$

$$\begin{array}{r} 4 \\ 60 \overline{)251} \\ \underline{240} \\ 11 \end{array}$$

$$6) \frac{9}{10} + \frac{8}{15} + \frac{13}{75} =$$

$$\begin{array}{r} 10 - 15 - 75 \mid 5 \\ 2 - 3 - 15 \mid 2 \\ 1 - 3 - 15 \mid 3 \\ 1 - 1 - 5 \mid 5 \\ 1 - 1 - 1 \mid 150 \end{array}$$

$$\begin{aligned} 150/10 &= 15 \times 9 = 135 \\ 150/15 &= 10 \times 8 = 80 \\ 150/75 &= 2 \times 13 = 26 \end{aligned}$$

$$\frac{135 + 80 + 26}{150} = \frac{241}{150} = 1 \frac{91}{150}$$

$$\begin{array}{r} 1 \\ 150 \overline{) 241} \\ - 150 \\ \hline 091 \end{array}$$

$$7) \frac{7}{5} + \frac{8}{15} + \frac{11}{60} = 2 \frac{7}{60}$$

$$\begin{array}{r} 5 - 15 - 60 \mid 2 \\ 5 - 15 - 30 \mid 5 \\ 1 - 3 - 6 \mid 3 \\ 1 - 1 - 2 \mid 2 \\ 1 - 1 - 1 \mid 60 \end{array}$$

$$\begin{aligned} 60/5 &= 12 \times 7 = 84 \\ 60/15 &= 4 \times 8 = 32 \\ 60/60 &= 1 \times 11 = 11 \end{aligned}$$

$$\frac{84 + 32 + 11}{60} = \frac{127}{60} = 2 \frac{7}{60}$$

$$\begin{array}{r} 2 \\ 60 \overline{) 127} \\ - 120 \\ \hline 007 \end{array}$$

$$8) 12\frac{5}{6} + 13\frac{7}{9} = 26\frac{11}{18}$$

$$12 + 13 = 25$$

$$\frac{5^{15}}{6^{15}} + \frac{7^{10}}{9^{10}}$$

$$\frac{75}{90} + \frac{70}{90} = \frac{75+70}{90} = \frac{145}{90} = \frac{29}{18} = 1\frac{11}{18}$$

$$\begin{array}{r} 1 \\ 18 \overline{) 29} \\ \underline{18} \\ 11 \end{array}$$

$$9) 1\frac{1}{2} + 2\frac{1}{3} + 1\frac{1}{6} = 5\frac{1}{3}$$

$$1 + 2 + 1 = 4$$

$$\frac{1^{13}}{2^{13}} + \frac{1^{12}}{3^{12}} + \frac{1^{11}}{6^{11}}$$

$$\begin{array}{r} 1 \\ 3 \overline{) 4} \\ \underline{-3} \\ 1 \end{array}$$

$$\frac{3}{6} + \frac{2}{6} + \frac{1}{6} = \frac{3+2+1}{6} = \frac{6}{6} = 1\frac{1}{3}$$

$$16) \frac{1 \times 4}{2 \times 4} + \frac{1 \times 2}{4 \times 2} + \frac{1 \times 1}{8 \times 1} = \frac{7}{8}$$

$$\frac{4}{8} + \frac{2}{8} + \frac{1}{8} = \frac{4+2+1}{8} = \frac{7}{8}$$

