

semana # 6

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

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

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

$$\frac{18 + 32 + 40 + 1 + 16}{53} = \frac{107}{53}$$

$$3) \frac{5}{21} + \frac{10}{21} + \frac{23}{21} + \frac{4}{21} =$$

$$\frac{5 + 10 + 23 + 4}{21} = \frac{42}{21}$$

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

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

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

$$5 - 4 - 6 \quad 2$$

$$5 - 2 - 3 \quad 2$$

$$5 - 1 - 3 \quad 3$$

$$5 - 1 - 1 \quad 5$$

$$1 + 1 - 1 \quad 60$$

$$60 / 3 = 20 * 3 = 60$$

$$60 / 7 = 8 * 7 = 56$$

$$60 / 11 = 5 * 11 = 55$$

$$\frac{60 + 56 + 55}{60} = \frac{171}{60} \quad \left(2 \frac{51}{60} \right)$$

$$\begin{array}{r} 2 \\ 60 \overline{) 171} \\ \underline{120} \\ 51 \end{array}$$

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

$$10 - 15 - 75 \mid 2 \quad 150 \mid 9 = 16 \times 9 = 144$$

$$5 - 15 - 75 \mid 3 \quad 150 \mid 8 = 18 \times 8 = 144$$

$$5 - 5 - 25 \mid 5 \quad 150 \mid 13 = 11 \times 15 = 143$$

$$7 - 1 - 5 \mid 5$$

$$7 - 7 - 7 \mid 150$$

$$\frac{144 + 144 + 143}{150} = \frac{431}{150} = 2 \frac{131}{150}$$

$$\begin{array}{r} 2 \\ 150 \overline{) 431} \\ \underline{300} \\ 131 \end{array}$$

$$4) \frac{7}{5} + \frac{8}{15} + \frac{11}{60}$$

$$5-15-60 \mid 2 \quad 60/7 = 8 \times 7 = 56$$

$$5-15-30 \mid 2 \quad 60/8 = 7 \times 8 = 56$$

$$5-15-75 \mid 3 \quad 60/11 = 5 \times 11 = 55$$

$$5-5-5 \mid \frac{5}{\underline{\quad}}$$

$$1-1-1 \mid 60$$

$$\frac{56 + 56 + 55}{60} = \frac{167}{60} = 2 \frac{47}{60}$$

$$\begin{array}{r} 2 \\ 60 \overline{) 167} \\ \underline{120} \\ 47 \end{array}$$

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

$$12 + 13 = 25$$

$$\frac{5}{6} \times 3 + \frac{7}{9} \times 2 = \frac{15}{18} + \frac{14}{18}$$

$$\frac{15 + 14}{18} = \frac{29}{18} = 25 \frac{29}{18}$$

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

$$1 + 1 + 1 = 3$$

$$\frac{1}{2} \times 6 + \frac{1}{3} \times 4 + \frac{1}{6} \times 2 = \frac{6}{12} + \frac{4}{12} + \frac{2}{12}$$

$$\frac{6 + 4 + 2}{12} = \frac{12}{12} = \frac{6}{6} = \frac{3}{3} = 1$$

$$3 + 1 = 4 \quad 4 \frac{1}{3}$$

$$10) \frac{1}{2} + \frac{1}{4} + \frac{1}{8} =$$

$$2-4-8 \mid 2$$

$$8/1 = 8 \times 1 = 8$$

$$1-2-4 \mid 2$$

$$8/1 = 8 \times 1 = 8$$

$$1-1-2 \mid \frac{2}{8}$$

$$8/1 = 8 \times 1 = 8$$

$$1-1-1 \mid$$

$$\frac{8+8+8}{8} = \frac{24}{8} = \frac{12}{4} = \frac{13}{2}$$