

Caterin
Rodas

Ejercicio #6

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

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

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

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

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

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

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

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

$$5) \frac{3}{5} - \frac{7}{4} - \frac{11}{6} = \frac{3+7+11}{60} = \frac{21}{60}$$

$$5 - 4 - 6 \mid 2$$

$$60/5 = 12 \times 3 = 36$$

$$5 - 2 - 3 \mid 2$$

$$5 - 1 - 3 \mid 3$$

$$60/4 = 15 \times 7 = 105$$

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

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

$$60/6 = 10 \times 11 = 110$$

$$6) \frac{9}{10} + \frac{8}{15} + \frac{13}{75} = \frac{135}{150} + \frac{80}{150} + \frac{26}{150} = \frac{241}{150}$$

$$10 - 15 - 75 \mid 2$$

$$150/10 = 15 \times 9 = 135$$

$$5 - 15 - 75 \mid 3$$

$$5 - 5 - 25 \mid 5$$

$$150/15 = 10 \times 8 = 80$$

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

$$1 - 1 - 1 \mid 150$$

$$150/75 = 2 \times 13 = 26$$

$$7) \quad 7 + 8 + 11 = 84 + 32 + 11 = \boxed{\frac{127}{60}}$$

$$5 - 15 - 60 \mid 2$$

$$5 - 15 - 30 \mid 2$$

$$5 - 15 - 15 \mid 3$$

$$5 - 5 - 5 \mid 5$$

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

$$60/5 = 12 \times 7 = 84$$

$$60/15 = 4 \times 8 = 32$$

$$60/60 = 1 \times 11 = 11$$

$$8) \quad 12 \frac{5}{6} + 13 \frac{7}{9} = 26 \frac{33}{54}$$

$$\begin{array}{r} 77 + 124 = 693 + 744 = 1437 \\ 6 \quad 9 \quad 54 \quad 54 \end{array}$$

$$\begin{array}{r} 26 \\ 54 \overline{) 1437} \\ \underline{108} \\ - 357 \\ \underline{324} \\ - 33 \end{array}$$

$$R// \quad 26 \frac{33}{54}$$

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

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

$$2 - 3 - 6 \mid 2 \quad 6 \mid 2 = 3 \times 1 = 3$$

$$1 - 3 - 3 \mid 3 \quad 6 \mid 3 = 2 \times 1 = 2$$

$$1 - 1 - 1 \mid 6 \quad 6 \mid 6 = 1 \times 1 = 1$$

$$10) \frac{1}{2} + \frac{1}{4} + \frac{1}{8} = \frac{4+2+1}{8} = \frac{7}{8}$$

$$2 - 4 - 8 \mid 2 \quad 8 \mid 2 = 4 \times 1 = 4$$

$$1 - 2 - 4 \mid 2 \quad 8 \mid 4 = 2 \times 1 = 2$$

$$1 - 1 - 2 \mid 2 \quad 8 \mid 8 = 1 \times 1 = 1$$

$$1 - 1 - 1 \mid 8$$