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Materia: Matemática

Profesora: Nisoria, Carolina

Curso: 2° A

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### Trabajo Práctico N° 28

#### Actividades. Operaciones combinadas

15. Separen en términos y resuelvan.

$$a. \frac{3}{2} - \frac{1}{5} \cdot \left( \frac{5}{4} + \frac{7}{2} \right) =$$

$$\frac{11}{20}$$

$$e. 2\frac{1}{3} - \left( \frac{5}{4} - \frac{7}{2} \right) \cdot \left( -\frac{7}{12} \right) =$$

$$\frac{35}{16}$$

$$b. \frac{20}{21} : \left( -\frac{3}{14} \right) + \frac{4}{3} =$$

$$-\frac{28}{9}$$

$$f. -\left( \frac{3}{2} + \frac{27}{25} \cdot \frac{5}{3} \right) + \left( -\frac{3}{5} \right) =$$

$$-\frac{39}{10}$$

$$c. \frac{8}{5} + \left( -\frac{1}{8} - \frac{5}{2} \right) \cdot \frac{24}{7} =$$

$$-\frac{37}{5}$$

$$g. \left( \frac{8}{5} - \frac{1}{2} \right) : \left( -\frac{3}{4} \right) - \left( -\frac{4}{3} + \frac{1}{5} \right) =$$

$$-\frac{1}{3}$$

$$d. -\frac{10}{21} : \left( -0,2 + 0,4 \right) + 1,5 =$$

$$-\frac{33}{28}$$

$$h. -0,2 \cdot \left( \frac{124}{35} : \frac{62}{15} + 2,5 \right) - \frac{8}{7} =$$

$$-\frac{17}{9}$$

37. Resuelvan las siguientes operaciones.

$$a. \left( -\frac{8}{3} \right)^2 + \sqrt[3]{-\frac{1}{729}} \cdot \frac{11}{3} + \left( -\frac{4}{3} \right)^3 = \frac{13}{3}$$

$$f. \left( \frac{7}{5} - \frac{7}{10} \right)^2 - \frac{3}{5} \cdot \sqrt{\frac{36}{25} + \frac{8}{5}} = \frac{1}{4}$$

$$b. \frac{36}{5} : \left( -\frac{5}{8} \right)^{-1} + \sqrt{\frac{27}{16} - \frac{1}{8} - \frac{13}{4}} = -\frac{13}{2}$$

$$g. \sqrt{\left( \frac{6}{5} + \frac{16}{3} \right) \cdot \left( \frac{35}{6} - \frac{5}{2} \right)} - \frac{4}{9} : \left( \frac{4}{9} \right)^2 = \frac{29}{12}$$

$$c. \sqrt[3]{\frac{13}{5} + \frac{18}{125}} : \left( -\frac{49}{25} \right) + \left( -\frac{5}{4} + \frac{2}{3} \right)^{-1} = -\frac{17}{7}$$

$$h. \frac{18}{11} \cdot \left( \frac{3}{4} - \frac{5}{3} \right)^2 + \sqrt{\left( \frac{5}{6} + \frac{5}{4} \right) : \left( \frac{27}{5} - \frac{1}{15} \right)} =$$

$$2$$

$$d. \sqrt{\left( -\frac{5}{3} \right) : \left( -\frac{1}{2} \right)^2} + \left( -\frac{18}{7} \right) \cdot \frac{35}{9} + \sqrt[4]{\frac{625}{81}} = -15$$

$$i. \sqrt[3]{\frac{18}{21}} \cdot \sqrt[3]{\frac{36}{49}} - \left( -\frac{1}{4} - \frac{1}{5} + \frac{1}{20} \right)^{-1} = \frac{23}{14}$$

$$e. \sqrt{\frac{8}{11} \cdot \frac{18}{11}} + \left( \frac{7}{5} - \frac{9}{10} \right)^2 + \frac{3}{44} = \frac{31}{32}$$

$$j. \frac{8}{3} \cdot \left( \frac{4}{3} + 2 \right)^{-1} - \sqrt[3]{\frac{135}{32}} : \sqrt[3]{\frac{5}{4}} = -\frac{7}{10}$$