

FRACTIONS AND DECIMAL NUMBERS TEST - 1st COURSE ESO

Ejercicio 1: (1 punto) Escribe con cifras:

- a) Cinco unidades y doce diezmilésimas
- b) Doscientas trece millonésimas
- c) Catorce unidades y siete centésimas
- d) Tres unidades y mil diecisiete milésimas

Exercise 2: (1 point) Turn the following fractions into decimal numbers and then classify them:

a) $\frac{17}{5} =$

b) $\frac{7}{3} =$

c) $\frac{5}{6} =$

d) $\frac{10}{2} =$

Exercise 3: (1 point) Order the following decimal numbers from least to greatest:

$2.\overline{451}$; $2.\overline{4451}$; 2.451 ; $2.5\overline{41}$; $2.\overline{451}$; 2.0451 ; $2.4\overline{51}$

Exercise 4: (1 point) Work out the value of the following operations:

a) $3.7 + 0.4 \cdot (5.7 - 3.12) =$

b) $12.43 : 2.5 - 5.4 \cdot 3.9 =$

Exercise 5: (1 point) A phone call lasts 15.7 minutes. If the price of each minute is €0.07, and the connection fee is set at €0.15, how much money will the call cost?

Exercise 6: (0.75 points) Find the value of x so the next pairs of fractions are equivalent:

a) $\frac{8}{12} = \frac{x}{6}$

b) $\frac{3}{x} = \frac{21}{14}$

c) $\frac{x}{12} = \frac{3}{4}$

Exercise 7: (1 point) Order the following fractions from least to greatest:

$\frac{7}{2}$; $\frac{9}{4}$; 1 ; $\frac{5}{3}$; $\frac{2}{5}$

Exercise 8: (1 point) Mark got €20 for his birthday. He spent two fifths of the money on a book, and three fourths of what was left on a T-shirt. Does Mark still have any money? How much?

Exercise 9: (1 point) Work out the value of the following operations:

a) $\frac{2}{3} + \frac{3}{5} \cdot \frac{1}{2} - \frac{7}{6} : \frac{5}{2} =$

b) $\frac{8}{5} \cdot \left(\frac{3}{4} - 1 - \frac{7}{8} \right) + \frac{2}{3} \cdot \frac{3}{5} =$

Exercise 10: (1.25 point) Last week I bought a cinnamon scented candle. The first day I burnt $\frac{1}{3}$ of the candle, and the next day I burnt $\frac{2}{5}$. If I still have 8 cm left, what was the original size of the candle?