

FRACTIONS AND DECIMAL NUMBERS TEST - 1st COURSE ESO - A

Ejercicio 1: (0.5 puntos) Escribe con cifras:

- a) Siete unidades y quince cienmilésimas
- b) Cinco unidades y mil doscientas trece milésimas

Ejercicio 2: (0.5 puntos) Convierte:

- a) Ciento cuarenta y siete milésimas en décimas
- b) Cincuenta y nueve centésimas en millonésimas

Exercise 3: (1 point) Turn the following fractions into decimal numbers and then classify them:

- a) $\frac{17}{2} =$
- b) $\frac{1}{6} =$
- c) $\frac{5}{3} =$
- d) $\pi =$

Exercise 4: (1 point) Order the following decimal numbers from least to greatest:

$$5.3\overline{327} \ ; \ 5.\overline{327} \ ; \ 5.3\overline{27} \ ; \ 5.3\overline{27} \ ; \ 5.3\overline{723} \ ; \ 5.327$$

Exercise 5: (1 point) Work out the value of the following operations:

- a) $7.3 + 0.5 \cdot (5.2 - 1.92) =$
- b) $15.34 : 2.5 - 4.5 \cdot 9.3 =$

Exercise 6: (1.25 point) I went to the supermarket and I bought $\frac{1}{2}$ kg of apples, 1.70€/kg, 3 bricks of juice, 0.75€ each, 1 bag of sugar, 1.25€ and $\frac{3}{4}$ kg of fish, 10€/kg. I paid with a ten euros bill. How much money did I get in return?

Exercise 7: (0.75 points) Order the following fractions from least to greatest:

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

Exercise 8: (1.25 points) Una familia tiene un sueldo de 1400€/mes. Se gastan $\frac{2}{7}$ en la casa, y $\frac{3}{5}$ de lo que les queda en comida.

- a) ¿Qué fracción del sueldo se han gastado?
- b) ¿Qué fracción del sueldo les queda?
- c) ¿Cuánto dinero dedican a cada cosa?

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

$$\text{a) } \frac{2}{3} + \frac{1}{5} \cdot \frac{3}{2} - \frac{4}{6} : \frac{5}{4} = \qquad \text{b) } \frac{6}{5} \cdot \left(\frac{5}{4} - 1 - \frac{3}{8} \right) + \frac{2}{3} \cdot \frac{3}{5} =$$

Exercise 10: (1 point) Last weekend I spent one sixth of my money on a book, two fifths on a pizza and one third at the cinema.

- a) What fraction of the money did I spend?
- b) If I still have €9, how much money did I have?

Exercise 11: (0.75 points) Aproxima:

- a) 23.748932 a las milésimas
- b) 7.398745 a las diezmilésimas
- c) 0.47999 a las centésimas