

FRACTIONS AND DECIMAL NUMBERS TEST - 1st COURSE ESO

Ejercicio 1: (0.5 puntos) Convierte:

- a) Mil doscientas cuarenta y siete diezmilésimas en centésimas
- b) Trece centésimas en millonésimas

Exercise 2: (2 points) Turn the following fractions into decimal numbers, classify them and order them from least to greatest:

a) $\frac{13}{2} =$

b) $\pi =$

c) $\frac{10}{3} =$

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

e) $\phi =$

f) $3 =$

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

$9.\overline{5547}$; $9.\overline{547}$; $9.\overline{547}$; $9.\overline{547}$; $9.\overline{5745}$; 9.547

Exercise 4: (2 points) Work out the value of the following operations and round the answer to the hundredths:

a) $\frac{5}{6} - \frac{4}{2} \cdot \frac{3}{5} - \frac{4}{3} : \frac{10}{7} =$

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

c) $5.83 + 0.5 \cdot (1.23 - 5.9) =$

d) $15.34 : 2.5 - 0.4 \cdot 4.3 =$

Exercise 5: (1.25 point) I went to the market and I bought $\frac{3}{4}$ kg of kiwis, 2.40€/kg, 5 bricks of juice, 0.75€ each, 1 bag of flour, 1.35€ and $\frac{1}{2}$ kg of salmon, 12€/kg. I paid with a ten euros bill. How much money did I get in return?

Exercise 6: (1.25 points) Hemos esquilado a casi todas las ovejas del rebaño. El domingo mi padre esquiló un cuarto, y ayer yo le ayudé con otros tres quintos. Todavía nos faltan quince bichos con la lana puesta. ¿Cuántas ovejas hay en el rebaño?

Exercise 7: (1 point) Joan eats two thirds of a cake and then four sevenths of what was left.

- a) What fraction of the cake is still left?
- b) If the cake weighed 1.4 kg, how much has she eaten?

Exercise 8: (1 point) Round:

- a) 37.239847 a las diezmilésimas
- b) 7.547893 a las milésimas
- c) 3.798999 a las centésimas
- d) 345678.23456 a las millonésimas