

CM2 16 juin 2020

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Tu peux faire un tableau

$$\frac{254}{100} = 2,54$$

$$\frac{46}{10} = 4,6$$

$$\frac{6}{1000} = 0,006$$

$$\frac{125}{10} = 12,5$$

$$\frac{3}{5} = \frac{3 \times 2}{5 \times 2} = \frac{6}{10} = 0,6$$

$$\frac{9}{2} = \frac{9 \times 5}{2 \times 5} = \frac{45}{10} = 4,5$$

$$\frac{17}{4} = \frac{17 \times 25}{4 \times 25} = \frac{425}{100} = 4,25$$

$$\frac{1}{8} = \frac{1 \times 125}{8 \times 125} = \frac{125}{1000} = 0,125$$

Ce que je fais
en haut (numérateur)
je fais la même
chose en bas (dénominateur)

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Là encore, tu peux faire un tableau.

$$a) \quad 0,2 = \frac{2}{10} \quad 0,25 = \frac{25}{100} \quad 1,5 = \frac{15}{10} \quad 0,8 = \frac{8}{10}$$

$$1,25 = \frac{125}{100} \quad 2,75 = \frac{275}{100} \quad 4,5 = \frac{45}{10} \quad 1,6 = \frac{16}{10}$$

b) Dans cette partie, il s'agit de simplifier les fractions.
Ce que je fais en haut (numérateur), je fais la même chose en bas (dénominateur)

$$0,2 = \frac{2}{10} = \frac{\cancel{2} \times 1}{\cancel{2} \times 5} = \frac{1}{5}$$

$$0,25 = \frac{25}{100} = \frac{\cancel{25} \times 1}{\cancel{25} \times 4} = \frac{1}{4}$$

$$1,5 = \frac{15}{10} = \frac{3 \times \cancel{5}}{2 \times \cancel{5}} = \frac{3}{2}$$

$$0,8 = \frac{8}{10} = \frac{4 \times \cancel{2}}{5 \times \cancel{2}} = \frac{4}{5}$$

$$1,25 = \frac{125}{100} = \frac{\cancel{25} \times 5}{\cancel{25} \times 4} = \frac{5}{4}$$

$$2,75 = \frac{275}{100} = \frac{\cancel{25} \times 11}{\cancel{25} \times 4} = \frac{11}{4}$$

$$4,5 = \frac{45}{10} = \frac{\cancel{5} \times 9}{\cancel{5} \times 2} = \frac{9}{2}$$

$$1,6 = \frac{16}{10} = \frac{\cancel{2} \times 8}{\cancel{2} \times 5} = \frac{8}{5}$$

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$$a) \frac{276}{100} = 2,76$$

$$\frac{54}{1000} = 0,054$$

$$\frac{25}{10} = 2,5$$

$$\frac{786}{10} = 78,6$$

$$b) \frac{4}{5} = \frac{4 \times 2}{5 \times 2} = \frac{8}{10}$$

$$\frac{3}{2} = \frac{3 \times 5}{2 \times 5} = \frac{15}{10}$$

$$\frac{13}{4} = \frac{13 \times 25}{4 \times 25} = \frac{325}{100}$$

$$\frac{7}{8} = \frac{7 \times 125}{8 \times 125} = \frac{875}{1000}$$

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$$3,5 = \frac{35}{10} = \frac{\cancel{7} \times \cancel{5}}{\cancel{2} \times \cancel{5}} = \frac{7}{2}$$

$$0,5 = \frac{5}{10} = \frac{\cancel{5} \times 1}{\cancel{5} \times 2} = \frac{1}{2}$$

$$2,25 = \frac{225}{100} = \frac{\cancel{25} \times 9}{\cancel{25} \times 4} = \frac{9}{4}$$

$$0,6 = \frac{6}{10} = \frac{\cancel{3} \times \cancel{2}}{\cancel{5} \times \cancel{2}} = \frac{3}{5}$$

$$0,375 = \frac{375}{1000} = \frac{\cancel{25} \times 3 \times \cancel{5}}{\cancel{25} \times 4 \times \cancel{5} \times 2} = \frac{3}{8}$$

$$1,75 = \frac{175}{100} = \frac{\cancel{25} \times 7}{\cancel{25} \times 4} = \frac{7}{4}$$

$$2,2 = \frac{22}{10} = \frac{\cancel{2} \times 11}{\cancel{2} \times 5} = \frac{11}{5}$$

$$0,6 = \frac{6}{10} = \frac{3 \times \cancel{2}}{5 \times \cancel{2}} = \frac{3}{5}$$

$$0,375 = \frac{375}{1000} = \frac{\cancel{25} \times \overbrace{15}}{\cancel{25} \times \underbrace{40}} = \frac{\cancel{25} \times \overbrace{3 \times 5}}{\cancel{25} \times \underbrace{8 \times 5}} = \frac{3}{8}$$

$$1,75 = \frac{175}{100} = \frac{\cancel{25} \times 7}{\cancel{25} \times 4} = \frac{7}{4}$$

$$2,2 = \frac{22}{10} = \frac{\cancel{2} \times 11}{\cancel{2} \times 5} = \frac{11}{5}$$

$$0,625 = \frac{625}{1000} = \frac{\cancel{25} \times \cancel{25} \times \cancel{5}}{\cancel{25} \times 4 \times \cancel{5}} = \frac{5}{4}$$