

# Corrections Savoir Op. 3

## Corrigé Exercice 12

Oui, par 7, car c'est une multiplication

$$A = \frac{7 \times 3}{11 \times 7} = \frac{3}{11}$$

$$E = \frac{4 \times 11 \times 7}{11 \times 2 \times 4} = \frac{7}{2}$$

Non, c'est une addition ; mais on peut calculer

$$B = \frac{15 + 11}{15 + 23} = \frac{26}{38}$$

$$F = \frac{4+5 \times 6}{4 \times 8 + 6} \text{ non...}$$

$$F = \frac{34}{38}$$

Oui, par 8, car c'est une multiplication

$$C = \frac{8 \times 6}{8 \times 1} = \frac{6}{1} = 6$$

$$G = \frac{12}{3 \times 12} = \frac{1}{3}$$

Non, c'est une addition ; mais on peut calculer

$$D = \frac{5 + 17}{5} = \frac{22}{5}$$

$$H = \frac{2 \times 3 \times 4 \times 5}{3 \times 4 \times 5 \times 6} = \frac{2}{6}$$

## Corrigé Exercice 13

$$A = \frac{49}{28} = \frac{7 \times 7}{7 \times 4} = \frac{7}{4}$$

$$B = \frac{33}{77} = \frac{3 \times 11}{7 \times 11} = \frac{3}{7}$$

$$C = \frac{6}{60} = \frac{6 \times 1}{6 \times 10} = \frac{1}{10}$$

$$D = \frac{48}{32} = \frac{8 \times 6}{8 \times 4} = \frac{6}{4} = \frac{3 \times 2}{2 \times 2} = \frac{3}{2}$$

$$E = \frac{35}{20} = \frac{5 \times 7}{4 \times 5} = \frac{7}{4}$$

$$F = \frac{26}{42} = \frac{13 \times 2}{21 \times 2} = \frac{13}{21}$$

$$G = \frac{63}{81} = \frac{9 \times 7}{9 \times 9} = \frac{7}{9}$$

$$H = \frac{51}{17} = \frac{17 \times 3}{17 \times 1} = \frac{3}{1} = 3$$

## Corrigé Exercice 14

$$Z = 12 = 2^2 \times 3 \quad ; \quad Y = 23 \quad ; \quad A = 3^2 \times 5 \quad ; \quad B = 3 \times 29 \quad ; \quad C = 143 = 11 \times 13$$

$$D = 392 = 2^3 \times 7^2 \quad ; \quad E = 276 = 2^2 \times 3 \times 23 \quad ; \quad F = 735 = 3 \times 5 \times 7^2 \quad ; \quad G = 2^3 \times 5^2 \times 7$$

## Corrigé Exercice 15

$$A = \frac{2 \times 7^2}{5 \times 7}$$

$$B = \frac{2 \times 3}{3^2 \times 5}$$

$$C = \frac{2^3 \times 5 \times 11}{2 \times 5^2 \times 7}$$

$$D = \frac{18}{42}$$

$$E = \frac{76}{24}$$

$$F = \frac{1350}{1500} = \frac{135}{150}$$

$$A = \frac{2 \times 7}{5}$$

$$B = \frac{2}{3 \times 5}$$

$$C = \frac{2^2 \times 11}{5 \times 7}$$

$$D = \frac{2 \times 3^2}{2 \times 3 \times 7}$$

$$E = \frac{2^2 \times 19}{2^3 \times 3}$$

$$F = \frac{3^3 \times 5}{2 \times 3 \times 5^2}$$

$$A = \frac{14}{5}$$

$$B = \frac{2}{15}$$

$$C = \frac{44}{35}$$

$$D = \frac{3}{7}$$

$$E = \frac{19}{2 \times 3}$$

$$F = \frac{3^2}{2 \times 5}$$

$$E = \frac{19}{6}$$

$$F = \frac{9}{10}$$