

Corrigé de l'exercice 1

Calculer les expressions suivantes en détaillant les calculs.

$$A = 10 - 8 + 6$$

$$A = 2 + 6$$

$$A = 8$$

$$B = 11 + 12 - 7$$

$$B = 23 - 7$$

$$B = 16$$

$$C = 12 \times 11 + 7$$

$$C = 132 + 7$$

$$C = 139$$

$$D = 13 \times (10 - 2) \div 13 + 12 + 5$$

$$D = 13 \times 8 \div 13 + 12 + 5$$

$$D = 104 \div 13 + 12 + 5$$

$$D = 8 + 12 + 5$$

$$D = 20 + 5$$

$$D = 25$$

$$E = 5 - 4 + 9 + 11 \times 12 \div 2$$

$$E = 5 - 4 + 9 + 132 \div 2$$

$$E = 5 - 4 + 9 + 66$$

$$E = 1 + 9 + 66$$

$$E = 10 + 66$$

$$E = 76$$

$$F = 2 + 11 + 8 \times 12 \div (8 - 7)$$

$$F = 2 + 11 + 8 \times 12 \div 1$$

$$F = 2 + 11 + 96 \div 1$$

$$F = 2 + 11 + 96$$

$$F = 13 + 96$$

$$F = 109$$

$$G = 4 + 2 - 7 \times 6 \div (10 + 4)$$

$$G = 4 + 2 - 7 \times 6 \div 14$$

$$G = 4 + 2 - 42 \div 14$$

$$G = 4 + 2 - 3$$

$$G = 6 - 3$$

$$G = 3$$

$$H = 6,5 + 2,6 \times 7,6 - (5,2 + 9,6)$$

$$H = 6,5 + 2,6 \times 7,6 - 14,8$$

$$H = 6,5 + 19,76 - 14,8$$

$$H = 26,26 - 14,8$$

$$H = 11,46$$

$$I = 5,8 \times (7,8 - 4,9) + 5,5 + 6,9$$

$$I = 5,8 \times 2,9 + 5,5 + 6,9$$

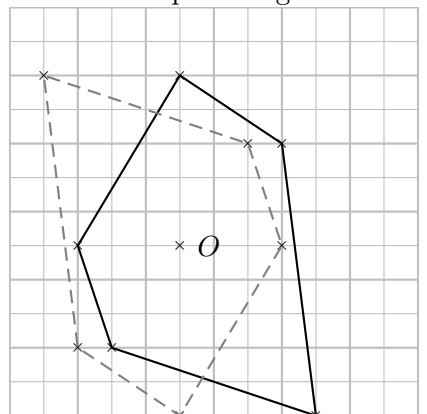
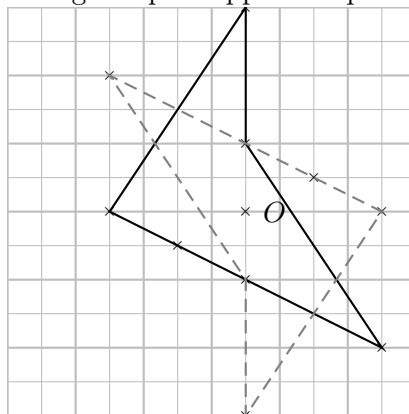
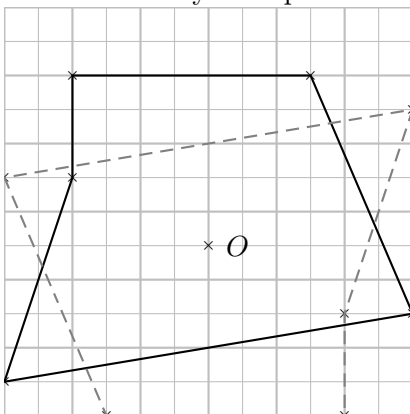
$$I = 16,82 + 5,5 + 6,9$$

$$I = 22,32 + 6,9$$

$$I = 29,22$$

Corrigé de l'exercice 2

Construire la symétrique de chacune des figures par rapport au point O en utilisant le quadrillage :

**Corrigé de l'exercice 3**

Compléter :

$$\blacktriangleright 1. \frac{1_{(\times 5)}}{5_{(\times 5)}} = \frac{5}{25}$$

$$\blacktriangleright 2. \frac{27}{81} = \frac{3_{(\times 9)}}{9_{(\times 9)}}$$

$$\blacktriangleright 3. \frac{7_{(\times 3)}}{5_{(\times 3)}} = \frac{21}{15}$$

$$\blacktriangleright 4. \frac{7_{(\times 9)}}{6_{(\times 9)}} = \frac{63}{54}$$

$$\blacktriangleright 5. \frac{25}{35} = \frac{5_{(\times 5)}}{7_{(\times 5)}}$$

$$\blacktriangleright 6. \frac{36}{12} = \frac{9_{(\times 4)}}{3_{(\times 4)}}$$

$$\blacktriangleright 7. \frac{2_{(\times 9)}}{4_{(\times 9)}} = \frac{18}{36}$$

$$\blacktriangleright 8. \frac{15}{50} = \frac{3_{(\times 5)}}{10_{(\times 5)}}$$

Corrigé de l'exercice 4

Effectuer les calculs suivants et donner le résultat sous la forme d'une fraction simplifiée :

$$A = \frac{3}{10} - \frac{1}{5}$$

$$A = \frac{3}{10} - \frac{1_{\times 2}}{5_{\times 2}}$$

$$A = \frac{1}{10}$$

$$B = \frac{4}{21} - \frac{1}{7}$$

$$B = \frac{4}{21} - \frac{1_{\times 3}}{7_{\times 3}}$$

$$B = \frac{1}{21}$$

$$C = \frac{1}{10} + \frac{9}{50}$$

$$C = \frac{1_{\times 5}}{10_{\times 5}} + \frac{9}{50}$$

$$C = \frac{7_{\times 2}}{25_{\times 2}}$$

$$C = \frac{7}{25}$$

$$D = \frac{10}{3} - \frac{5}{12}$$

$$D = \frac{10_{\times 4}}{3_{\times 4}} - \frac{5}{12}$$

$$D = \frac{35}{12}$$

$$E = \frac{1}{5} - \frac{3}{25}$$

$$E = \frac{1_{\times 5}}{5_{\times 5}} - \frac{3}{25}$$

$$E = \frac{2}{25}$$

$$F = \frac{7}{15} + \frac{1}{3}$$

$$F = \frac{7}{15} + \frac{1_{\times 5}}{3_{\times 5}}$$

$$F = \frac{4_{\times 3}}{5_{\times 3}}$$

$$F = \frac{4}{5}$$

$$G = \frac{7}{40} + \frac{1}{8}$$

$$G = \frac{7}{40} + \frac{1_{\times 5}}{8_{\times 5}}$$

$$G = \frac{3_{\times 4}}{10_{\times 4}}$$

$$G = \frac{3}{10}$$

$$H = \frac{10}{63} - \frac{1}{7}$$

$$H = \frac{10}{63} - \frac{1_{\times 9}}{7_{\times 9}}$$

$$H = \frac{1}{63}$$

Corrigé de l'exercice 5

Effectuer les calculs suivants et donner le résultat sous la forme d'une fraction simplifiée :

$$A = \frac{9}{4} \times \frac{5}{3}$$

$$A = \frac{3 \times \cancel{3}}{4} \times \frac{5}{1 \times \cancel{3}}$$

$$A = \frac{15}{4}$$

$$B = \frac{3}{10} \times \frac{10}{7}$$

$$B = \frac{3}{1 \times \cancel{10}} \times \frac{1 \times \cancel{10}}{7}$$

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

$$C = \frac{2}{4} \times \frac{8}{3}$$

$$C = \frac{1_{\times \cancel{2}}}{2_{\times \cancel{2}}} \times \frac{8}{3}$$

$$C = \frac{1}{1 \times \cancel{2}} \times \frac{4 \times \cancel{2}}{3}$$

$$C = \frac{4}{3}$$

$$D = \frac{6}{4} \times \frac{4}{8}$$

$$D = \frac{3_{\times \cancel{2}}}{2_{\times \cancel{2}}} \times \frac{1_{\times \cancel{4}}}{2_{\times \cancel{4}}}$$

$$D = \frac{3}{4}$$

$$E = \frac{4}{9} \times \frac{8}{10}$$

$$E = \frac{4}{9} \times \frac{4_{\times \cancel{2}}}{5_{\times \cancel{2}}}$$

$$E = \frac{16}{45}$$

$$F = \frac{8}{10} \times \frac{4}{9}$$

$$F = \frac{4_{\times \cancel{2}}}{5_{\times \cancel{2}}} \times \frac{4}{9}$$

$$F = \frac{16}{45}$$

$$G = \frac{9}{6} \times \frac{1}{2}$$

$$G = \frac{3_{\times \cancel{2}}}{2_{\times \cancel{2}}} \times \frac{1}{2}$$

$$G = \frac{3}{4}$$

$$H = \frac{1}{9} \times \frac{1}{3}$$

$$H = \frac{1}{27}$$