

**Exercise 1**

Calculate (without calculator!) :

- |                            |                           |                            |                            |
|----------------------------|---------------------------|----------------------------|----------------------------|
| ▶1. $1 \times 6 = \dots$   | ▶16. $\dots - 1 = 5$      | ▶31. $56 \div 8 = \dots$   | ▶46. $7 \times \dots = 49$ |
| ▶2. $9 \times 10 = \dots$  | ▶17. $12 \div \dots = 4$  | ▶32. $6 \times \dots = 12$ | ▶47. $16 \div \dots = 8$   |
| ▶3. $8 + 6 = \dots$        | ▶18. $\dots \div 2 = 1$   | ▶33. $1 \times \dots = 7$  | ▶48. $45 \div 9 = \dots$   |
| ▶4. $19 - 9 = \dots$       | ▶19. $54 \div \dots = 6$  | ▶34. $8 \times 9 = \dots$  | ▶49. $\dots - 1 = 8$       |
| ▶5. $7 - 1 = \dots$        | ▶20. $30 \div 5 = \dots$  | ▶35. $3 \times 6 = \dots$  | ▶50. $4 + \dots = 12$      |
| ▶6. $4 + 2 = \dots$        | ▶21. $13 - \dots = 3$     | ▶36. $6 - \dots = 1$       | ▶51. $1 \times 3 = \dots$  |
| ▶7. $2 + \dots = 6$        | ▶22. $16 - 9 = \dots$     | ▶37. $14 \div 7 = \dots$   | ▶52. $4 + 10 = \dots$      |
| ▶8. $9 \times 3 = \dots$   | ▶23. $\dots + 2 = 7$      | ▶38. $10 - \dots = 1$      | ▶53. $\dots \div 9 = 3$    |
| ▶9. $1 + 8 = \dots$        | ▶24. $\dots \div 10 = 7$  | ▶39. $6 + \dots = 15$      | ▶54. $28 \div 7 = \dots$   |
| ▶10. $\dots + 7 = 12$      | ▶25. $10 + 6 = \dots$     | ▶40. $9 + \dots = 17$      | ▶55. $1 \times 3 = \dots$  |
| ▶11. $2 \times \dots = 16$ | ▶26. $5 - \dots = 2$      | ▶41. $2 + \dots = 12$      | ▶56. $\dots \times 9 = 81$ |
| ▶12. $3 \div 3 = \dots$    | ▶27. $6 \div 2 = \dots$   | ▶42. $10 - \dots = 3$      | ▶57. $\dots \div 7 = 2$    |
| ▶13. $17 - 9 = \dots$      | ▶28. $60 \div \dots = 10$ | ▶43. $13 - 7 = \dots$      | ▶58. $9 - \dots = 2$       |
| ▶14. $\dots - 9 = 7$       | ▶29. $8 + \dots = 14$     | ▶44. $\dots + 4 = 10$      | ▶59. $\dots + 1 = 5$       |
| ▶15. $7 \times 1 = \dots$  | ▶30. $7 \times 2 = \dots$ | ▶45. $\dots - 6 = 6$       | ▶60. $8 \times 8 = \dots$  |

**Exercise 2**

Complete the following expressions :

- |                                       |                                     |  |
|---------------------------------------|-------------------------------------|--|
| ▶1. $\frac{50\ 630}{\dots} = 5,063$   | ▶7. $\frac{3\ 349}{100} = \dots$    | ▶13. $\frac{21\ 140}{1\ 000} = \dots$  |
| ▶2. $\frac{4\ 467}{10} = \dots$       | ▶8. $\frac{2\ 820}{100} = \dots$    | ▶14. $\frac{49\ 720}{10\ 000} = \dots$ |
| ▶3. $\frac{\dots}{10} = 710,9$        | ▶9. $\frac{18\ 200}{\dots} = 182$   | ▶15. $\frac{\dots}{1\ 000} = 4,253$    |
| ▶4. $\frac{4\ 418}{\dots} = 4,418$    | ▶10. $\frac{73\ 450}{100} = \dots$  | ▶16. $\frac{9\ 849}{\dots} = 9,849$    |
| ▶5. $\frac{7\ 330}{\dots} = 733$      | ▶11. $\frac{8\ 735}{100} = \dots$   | ▶17. $\frac{6\ 538}{\dots} = 65,38$    |
| ▶6. $\frac{51\ 000}{10\ 000} = \dots$ | ▶12. $\frac{\dots}{1\ 000} = 46,71$ | ▶18. $\frac{82\ 770}{1\ 000} = \dots$  |

**Exercise 3**

Calculate the following expression by using a decimal number :

- |  |  |
|--|--|
| ▶1. $4 \times 10 + 3 \times \frac{1}{10} + 2 \times \frac{1}{100} = \dots$ | ▶6. $5 \times 1\ 000 + 9 \times \frac{1}{100} + 3 \times \frac{1}{10} = \dots$           |
| ▶2. $6 \times 10 + 9 \times \frac{1}{1\ 000} + 1 \times 1 = \dots$         | ▶7. $1 \times 1 + 9 \times \frac{1}{1\ 000} + 7 \times 1\ 000 = \dots$                   |
| ▶3. $9 \times \frac{1}{100} + 7 \times 1\ 000 + 2 \times 100 = \dots$      | ▶8. $1 \times 10 + 2 \times \frac{1}{10} + 6 \times 100 = \dots$                         |
| ▶4. $8 \times \frac{1}{1\ 000} + 2 \times 1 + 4 \times 1\ 000 = \dots$     | ▶9. $9 \times \frac{1}{1\ 000} + 6 \times \frac{1}{100} + 8 \times \frac{1}{10} = \dots$ |
| ▶5. $3 \times 1 + 1 \times 10 + 9 \times 1\ 000 = \dots$                   |  |

- ▶10.  $7 \times 1 + 6 \times 1000 + 7 \times \frac{1}{10} = \dots\dots\dots$
- ▶11.  $4 \times \frac{1}{100} + 6 \times 1 + 7 \times 10 = \dots\dots\dots$
- ▶12.  $2 \times \frac{1}{100} + 3 \times \frac{1}{1000} + 4 \times 1000 = \dots\dots\dots$
- ▶13.  $7 \times \frac{1}{1000} + 9 \times \frac{1}{100} + 2 \times 1000 = \dots\dots\dots$
- ▶14.  $5 \times 10 + 3 \times \frac{1}{10} + 5 \times 1 = \dots\dots\dots$

- ▶15.  $1 \times 100 + 2 \times 10 + 7 \times \frac{1}{1000} = \dots\dots\dots$
- ▶16.  $6 \times \frac{1}{10} + 5 \times \frac{1}{1000} + 8 \times 10 = \dots\dots\dots$
- ▶17.  $9 \times 1 + 4 \times \frac{1}{1000} + 4 \times 100 = \dots\dots\dots$
- ▶18.  $2 \times 100 + 4 \times 1 + 5 \times \frac{1}{1000} = \dots\dots\dots$

**Exercise 4**

- ▶1. Order these decimals from greatest to least.  
6,2 ; 1,721 ; 1,1 ; 1,43
- ▶2. Order these decimals from greatest to least.  
9,8 ; 6,98 ; 6,398 ; 6,2
- ▶3. Order these decimals from greatest to least.  
4,316 ; 4,2 ; 7 ; 4,16
- ▶4. Order these decimals from greatest to least.  
2,93 ; 2,7 ; 2,851 ; 1,6
- ▶5. Order these decimals from least to greatest.  
5,52 ; 7,1 ; 5,7 ; 5,128
- ▶6. Order these decimals from least to greatest.  
4,9 ; 4,53 ; 4,614 ; 8,3

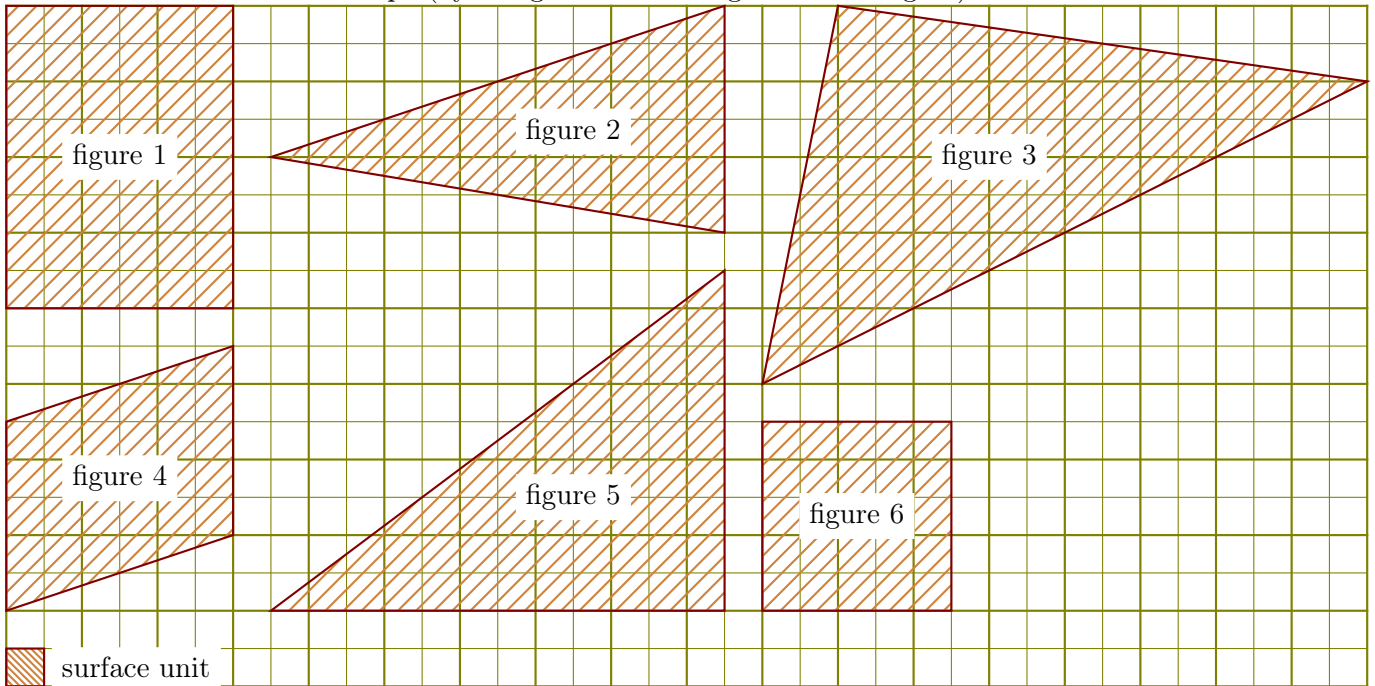
**Exercise 5**

Choose the correct answers :

- |                      |                               |                               |                               |                               |                                |
|----------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| 729 can be divided : | <input type="checkbox"/> by 2 | <input type="checkbox"/> by 3 | <input type="checkbox"/> by 5 | <input type="checkbox"/> by 9 | <input type="checkbox"/> by 10 |
| 90 can be divided :  | <input type="checkbox"/> by 2 | <input type="checkbox"/> by 3 | <input type="checkbox"/> by 5 | <input type="checkbox"/> by 9 | <input type="checkbox"/> by 10 |
| 36 can be divided :  | <input type="checkbox"/> by 2 | <input type="checkbox"/> by 3 | <input type="checkbox"/> by 5 | <input type="checkbox"/> by 9 | <input type="checkbox"/> by 10 |
| 630 can be divided : | <input type="checkbox"/> by 2 | <input type="checkbox"/> by 3 | <input type="checkbox"/> by 5 | <input type="checkbox"/> by 9 | <input type="checkbox"/> by 10 |
| 177 can be divided : | <input type="checkbox"/> by 2 | <input type="checkbox"/> by 3 | <input type="checkbox"/> by 5 | <input type="checkbox"/> by 9 | <input type="checkbox"/> by 10 |
| 420 can be divided : | <input type="checkbox"/> by 2 | <input type="checkbox"/> by 3 | <input type="checkbox"/> by 5 | <input type="checkbox"/> by 9 | <input type="checkbox"/> by 10 |
| 840 can be divided : | <input type="checkbox"/> by 2 | <input type="checkbox"/> by 3 | <input type="checkbox"/> by 5 | <input type="checkbox"/> by 9 | <input type="checkbox"/> by 10 |
| 639 can be divided : | <input type="checkbox"/> by 2 | <input type="checkbox"/> by 3 | <input type="checkbox"/> by 5 | <input type="checkbox"/> by 9 | <input type="checkbox"/> by 10 |
| 150 can be divided : | <input type="checkbox"/> by 2 | <input type="checkbox"/> by 3 | <input type="checkbox"/> by 5 | <input type="checkbox"/> by 9 | <input type="checkbox"/> by 10 |
| 165 can be divided : | <input type="checkbox"/> by 2 | <input type="checkbox"/> by 3 | <input type="checkbox"/> by 5 | <input type="checkbox"/> by 9 | <input type="checkbox"/> by 10 |
| 891 can be divided : | <input type="checkbox"/> by 2 | <input type="checkbox"/> by 3 | <input type="checkbox"/> by 5 | <input type="checkbox"/> by 9 | <input type="checkbox"/> by 10 |
| 530 can be divided : | <input type="checkbox"/> by 2 | <input type="checkbox"/> by 3 | <input type="checkbox"/> by 5 | <input type="checkbox"/> by 9 | <input type="checkbox"/> by 10 |
| 126 can be divided : | <input type="checkbox"/> by 2 | <input type="checkbox"/> by 3 | <input type="checkbox"/> by 5 | <input type="checkbox"/> by 9 | <input type="checkbox"/> by 10 |
| 176 can be divided : | <input type="checkbox"/> by 2 | <input type="checkbox"/> by 3 | <input type="checkbox"/> by 5 | <input type="checkbox"/> by 9 | <input type="checkbox"/> by 10 |
| 270 can be divided : | <input type="checkbox"/> by 2 | <input type="checkbox"/> by 3 | <input type="checkbox"/> by 5 | <input type="checkbox"/> by 9 | <input type="checkbox"/> by 10 |

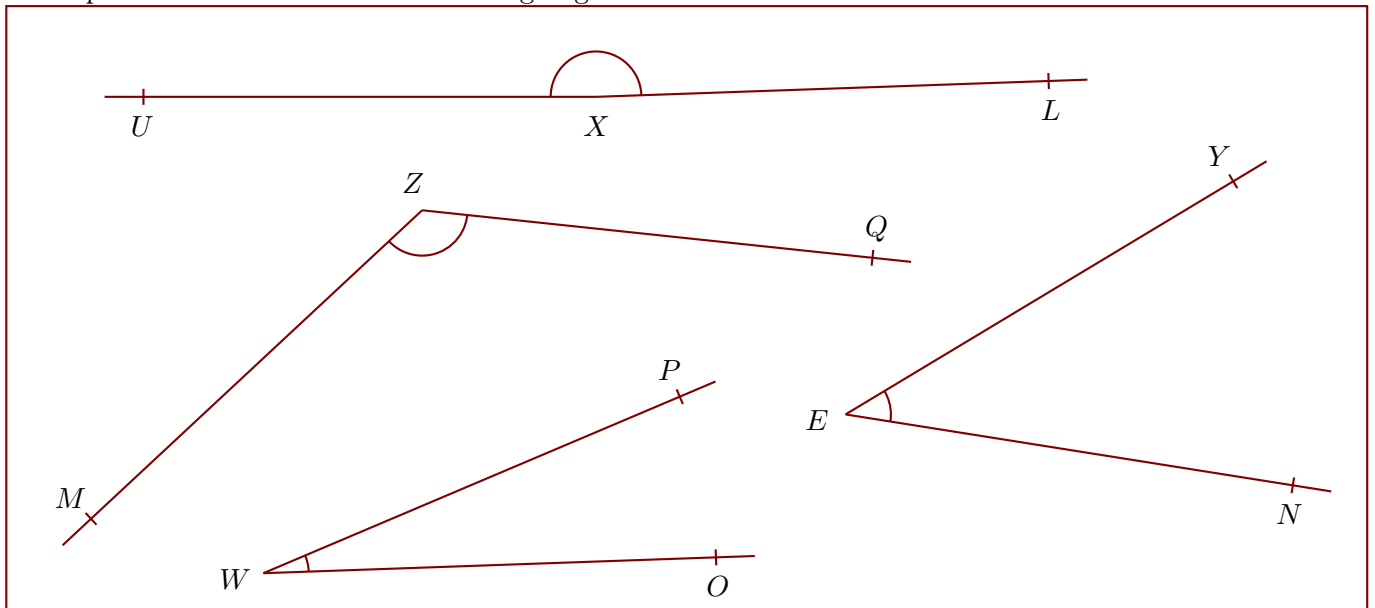
**Exercise 6**

Calculate the area of each shape (by using the area unit given in the figure) :



**Exercise 7**

Use a protractor to measure the following angles :



angle 1 :	angle 2 :	angle 3 :	angle 4 :

**Exercise 8**

Compute the following expressions by given the detail.

$$A = 10 + 6 - 12 = \dots\dots\dots$$

$$B = 3 + 6 - 3 = \dots\dots\dots$$

$$C = 11 + 9 - 2 = \dots\dots\dots$$

$$D = 2 + 7 + 2 \div (4 - 2) \times 13 = \dots\dots\dots$$

$$E = 10 \times 6 \div (7 - 3) + 11 + 9 = \dots\dots\dots$$

$$F = 12 \times (11 + 7) \div 4 - 4 + 5 = \dots\dots\dots$$

$$G = 10 \div (7 - 2) + 6 \times 3 + 4 = \dots\dots\dots$$

$$H = 2,7 + 1,5 \times (8,6 - 2,7) + 6,3 = \dots\dots\dots$$

$$I = 9,4 - 7 + 3,8 + 5,7 \times 7,2 = \dots\dots\dots$$

**Exercise 9**

Complete the following expression :

$$\begin{aligned} \blacktriangleright 1. \quad \frac{8}{\dots} &= \frac{2}{6} \\ \blacktriangleright 2. \quad \frac{50}{\dots} &= \frac{5}{10} \end{aligned}$$

$$\begin{aligned} \blacktriangleright 3. \quad \frac{4}{2} &= \frac{\dots}{12} \\ \blacktriangleright 4. \quad \frac{81}{36} &= \frac{9}{\dots} \end{aligned}$$

$$\begin{aligned} \blacktriangleright 5. \quad \frac{9}{6} &= \frac{\dots}{48} \\ \blacktriangleright 6. \quad \frac{40}{80} &= \frac{5}{\dots} \end{aligned}$$

$$\begin{aligned} \blacktriangleright 7. \quad \frac{2}{\dots} &= \frac{14}{63} \\ \blacktriangleright 8. \quad \frac{18}{24} &= \frac{\dots}{4} \end{aligned}$$

**Exercise 10**

Find the *common denominator* and calculate the following expressions. Give the result in its simplest form :

$$A = \frac{10}{9} - \frac{5}{81} = \dots\dots\dots$$

$$B = \frac{5}{3} - \frac{7}{6} = \dots\dots\dots$$

$$C = \frac{9}{10} - \frac{3}{80} = \dots\dots\dots$$

$$D = \frac{9}{35} + \frac{7}{5} = \dots\dots\dots$$

$$E = \frac{4}{3} + \frac{2}{27} = \dots\dots\dots$$

$$F = \frac{7}{9} - \frac{5}{81} = \dots\dots\dots$$

$$G = \frac{7}{27} + \frac{2}{3} = \dots\dots\dots$$

$$H = \frac{7}{16} - \frac{1}{8} = \dots\dots\dots$$

$$I = \frac{7}{5} - \frac{3}{40} = \dots\dots\dots$$

$$J = \frac{9}{80} - \frac{1}{10} = \dots\dots\dots$$

$$K = \frac{9}{64} + \frac{5}{8} = \dots\dots\dots$$

$$L = \frac{7}{2} + \frac{3}{16} = \dots\dots\dots$$

$$M = \frac{6}{35} + \frac{9}{7} = \dots\dots\dots$$

$$N = \frac{7}{60} + \frac{7}{10} = \dots\dots\dots$$

$$O = \frac{7}{4} - \frac{9}{32} = \dots\dots\dots$$

$$P = \frac{7}{20} - \frac{1}{5} = \dots\dots\dots$$

### **Exercise 11**

Calculate the following expression and give the result in its simplest form (*Hint* : Simplify the expression before starting the multiplication) :

$$A = \frac{60}{49} \times \frac{21}{50} = \dots\dots\dots$$

$$B = \frac{3}{35} \times \frac{50}{9} = \dots\dots\dots$$

$$C = \frac{64}{81} \times \frac{81}{80} = \dots\dots\dots$$

$$D = \frac{10}{81} \times \frac{63}{20} = \dots\dots\dots$$

$$E = \frac{21}{20} \times \frac{20}{63} = \dots\dots\dots$$

$$F = \frac{40}{21} \times \frac{7}{16} = \dots\dots\dots$$

$$G = \frac{9}{49} \times \frac{35}{27} = \dots\dots\dots$$

$$H = \frac{20}{21} \times \frac{63}{20} = \dots\dots\dots$$

### **Exercise 12**

Calculate the following expressions (without using the calculator) :

►1.  $1 + \dots\dots\dots = 5$

►2.  $-14 + \dots\dots\dots = -21$

►3.  $10 + 6 = \dots\dots\dots$

►4.  $-9 + \dots\dots\dots = -10$

►5.  $-3 + 3 = \dots\dots\dots$

►6.  $-1 - \dots\dots\dots = -10$

►7.  $5 + \dots\dots\dots = 11$

►8.  $-8 + 10 = \dots\dots\dots$

►9.  $1 + \dots\dots\dots = 4$

►10.  $-6 + 9 = \dots\dots\dots$

►11.  $0 - \dots\dots\dots = 8$

►12.  $-7 + \dots\dots\dots = -12$

►13.  $0 - (-2) = \dots\dots\dots$

►14.  $19 - 10 = \dots\dots\dots$

►15.  $5,8 - 7,4 = \dots\dots\dots$

►16.  $6,2 + (-3,1) = \dots\dots\dots$

►17.  $-11,5 - \dots\dots\dots = -3,9$

►18.  $-6,5 - (-8,6) = \dots\dots\dots$

►19.  $-5,7 + (-4,6) = \dots\dots\dots$

►20.  $-2,2 - 2,4 = \dots\dots\dots$

►21.  $1 \times (-10) = \dots\dots\dots$

►22.  $4 + 4 = \dots\dots\dots$

►23.  $\dots\dots\dots \div 10 = -9$

►24.  $-2 + (-7) = \dots\dots\dots$

►25.  $1 - \dots\dots\dots = -3$

►26.  $2 \times 5 = \dots\dots$

►27.  $\dots\dots \times (-5) = -45$

►28.  $-8 + 9 = \dots\dots$

►29.  $-6 + (-1) = \dots\dots$

►30.  $-2 - 1 = \dots\dots$

►31.  $\dots\dots \div (-6) = -10$

►32.  $\dots\dots - (-1) = -4$

►33.  $45 \div (-5) = \dots\dots$

►34.  $-8 \times (-5) = \dots\dots$

►35.  $\dots\dots \div (-6) = 3$

►36.  $\dots\dots \times 8 = -64$

►37.  $-20 \div (-10) = \dots\dots$

►38.  $9 + 4 = \dots\dots$

►39.  $15 - \dots\dots = 7$

►40.  $-6 - \dots\dots = -9$