

Exercice 1 : Calculer et simplifier si possible

$$1. \frac{6,5}{24} + \frac{1,5}{24} = \frac{6,5+1,5}{24} = \frac{8}{24} = \frac{8:8}{24:8} = \boxed{\frac{1}{3}}$$

$$2. \frac{6,2}{21} + \frac{2,8}{21} = \frac{6,2+2,8}{21} = \frac{9}{21} = \frac{9:3}{21:3} = \boxed{\frac{3}{7}}$$

$$3. \frac{7}{1,2} + \frac{5}{1,2} = \frac{7+5}{1,2} = \frac{12}{1,2} = \boxed{10} \text{ (en effet } 12 = 1,2 \times 10)$$

$$4. \frac{8,5}{12} - \frac{0,5}{12} = \frac{8,5-0,5}{12} = \frac{8}{12} = \frac{8:4}{12:4} = \boxed{\frac{2}{3}}$$

$$5. \frac{7,8}{15} - \frac{1,8}{15} = \frac{7,8-1,8}{15} = \frac{6}{15} = \frac{6:3}{15:3} = \boxed{\frac{2}{5}}$$

$$6. \frac{28}{0,5} - \frac{3}{0,5} = \frac{28-3}{0,5} = \frac{25}{0,5} = \frac{25 \times 2}{0,5 \times 2} = \frac{50}{1} = \boxed{50}$$

Exercice 2 : Calcul mental

Associer chaque calcul à son résultat
(à faire sur la photocopie)

$\frac{7}{12} + \frac{13}{12}$	$\frac{3}{5}$
$\frac{19}{28} - \frac{5}{28}$	$\frac{1}{2}$
$\frac{7}{20} + \frac{23}{20}$	$\frac{5}{3}$
$\frac{9,1}{15} - \frac{0,1}{15}$	$\frac{2}{3}$
$\frac{7,3}{18} + \frac{4,7}{18}$	$\frac{3}{2}$

Exercice 3 :

$$\text{Fig 1 : } \frac{1}{2} + \frac{2}{6} = \frac{5}{6}$$

$$\text{Fig 2 : } \frac{2}{3} + \frac{1}{15} = \frac{11}{15}$$

$$\text{Fig 3 : } \frac{1}{4} + \frac{7}{16} = \frac{11}{16}$$

Figure 1



Figure 2

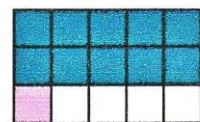
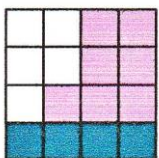


Figure 3

Exercice 4 :

$$\frac{5}{6} + \frac{2}{3} = \frac{5}{6} + \frac{2 \times 2}{3 \times 2} = \frac{5}{6} + \frac{4}{6} = \frac{9}{6} = \boxed{\frac{3}{2}}$$

$$\frac{5}{6} - \frac{2}{3} = \frac{5}{6} - \frac{2 \times 2}{3 \times 2} = \frac{5}{6} - \frac{4}{6} = \boxed{\frac{1}{6}}$$

$$\frac{1}{4} + \frac{1}{12} = \frac{1 \times 3}{4 \times 3} + \frac{1}{12} = \frac{3}{12} + \frac{1}{12} = \frac{4}{12} = \boxed{\frac{1}{3}}$$

$$\frac{1}{4} - \frac{1}{12} = \frac{1 \times 3}{4 \times 3} - \frac{1}{12} = \frac{3}{12} - \frac{1}{12} = \frac{2}{12} = \boxed{\frac{1}{6}}$$

$$\frac{3}{2} + \frac{3}{8} = \frac{3 \times 4}{2 \times 4} + \frac{3}{8} = \frac{12}{8} + \frac{3}{8} = \boxed{\frac{15}{8}}$$

$$\frac{3}{2} - \frac{3}{8} = \frac{3 \times 4}{2 \times 4} - \frac{3}{8} = \frac{12}{8} - \frac{3}{8} = \boxed{\frac{9}{8}}$$

x	$\frac{7}{9}$	$\frac{13}{7}$	$\frac{5}{6}$	$\frac{1}{4}$	$\frac{3}{2}$
y	$\frac{2}{9}$	$\frac{8}{7}$	$\frac{2}{3}$	$\frac{1}{12}$	$\frac{3}{8}$
$x + y$	1	3	$\frac{3}{2}$	$\frac{1}{3}$	$\frac{15}{8}$
$x - y$	$\frac{5}{9}$	$\frac{5}{7}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{9}{8}$