



## Printable assessments CAMI Mathematics: Grade 6

### Common fractions

1. Add < ; > or = by using the LCM.

(a)  $\frac{2}{9} \square \frac{1}{8}$

(b)  $\frac{2}{3} \square \frac{3}{4}$

(c)  $\frac{1}{4} \square \frac{2}{5}$

(d)  $\frac{3}{4} \square \frac{4}{5}$

(e)  $\frac{8}{9} \square \frac{2}{3}$

2. Add fractions using the LCM.

(a)  $\frac{7}{10} - \frac{3}{6}$

(b)  $\frac{2}{7} + \frac{1}{4}$

(c)  $\frac{1}{4} + \frac{4}{5} - \frac{1}{3}$

(d)  $\frac{1}{2} - \frac{2}{3} + \frac{1}{2}$

3. Add and subtract mixed numbers.

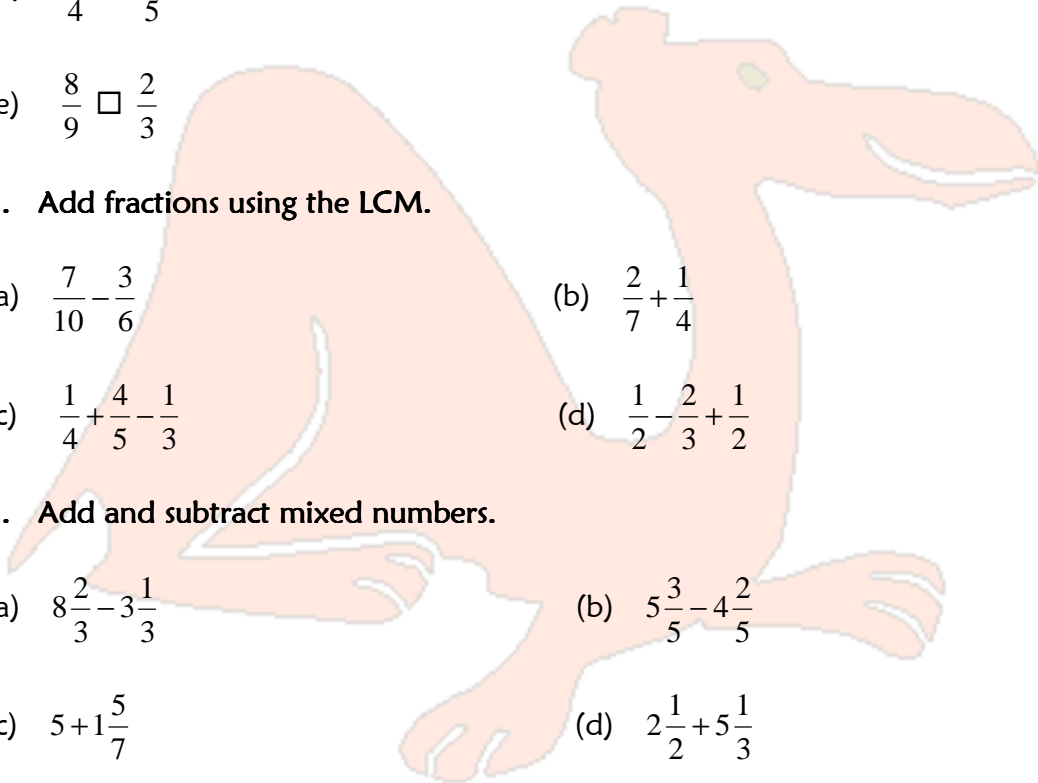
(a)  $8\frac{2}{3} - 3\frac{1}{3}$

(b)  $5\frac{3}{5} - 4\frac{2}{5}$

(c)  $5 + 1\frac{5}{7}$

(d)  $2\frac{1}{2} + 5\frac{1}{3}$

(e)  $5\frac{1}{2} + 4\frac{2}{4} - 1\frac{1}{3}$





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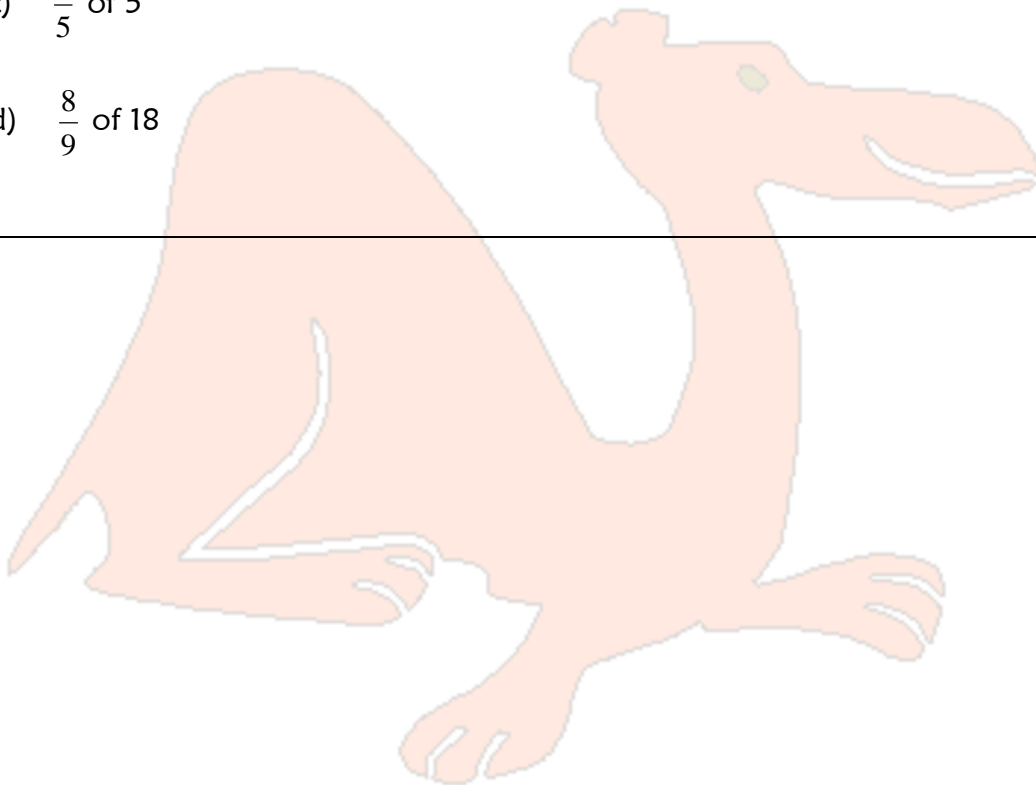
### 4. Simplify.

(a)  $\frac{1}{6}$  of 18 kilograms

(b)  $\frac{5}{9}$  of 63 kilometers

(c)  $\frac{3}{5}$  of 5

(d)  $\frac{8}{9}$  of 18





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### MEMO

1. Add  $<$  ;  $>$  or  $=$  by using the LCM. [2.2.1.2; 2.2.1.3; 2.2.1.4]

(a)  $\frac{2}{9} > \frac{1}{8}$        $(\frac{16}{72} > \frac{9}{72})$

(b)  $\frac{2}{3} < \frac{3}{4}$        $(\frac{8}{12} < \frac{9}{12})$

(c)  $\frac{1}{4} < \frac{2}{5}$        $(\frac{5}{20} < \frac{8}{20})$

(d)  $\frac{3}{4} < \frac{4}{5}$        $(\frac{3}{4} < \frac{4}{5})$

(e)  $\frac{8}{9} > \frac{2}{3}$        $(\frac{8}{9} > \frac{2}{3})$

2. Add fractions using the LCM. [2.2.2.5; 2.2.2.6; 2.2.2.7]

(a)  $\frac{7}{10} - \frac{3}{6} = \frac{21-15}{30} = \frac{6}{30} = \frac{1}{5}$

(b)  $\frac{2}{7} + \frac{1}{4} = \frac{8+7}{28} = \frac{15}{28}$

(c)  $\frac{1}{4} + \frac{4}{5} - \frac{1}{3} = \frac{15+48-20}{60} = \frac{43}{60}$

(d)  $\frac{1}{2} - \frac{2}{3} + \frac{1}{2} = \frac{3-4+3}{6} = \frac{2}{6} = \frac{1}{3}$

3. Add and subtract mixed numbers. [2.2.3.1; 2.2.3.2; 2.2.3.3; 2.2.3.9]

(a)  $8\frac{2}{3} - 3\frac{1}{3} = 5\frac{2-1}{3} = 5\frac{1}{3}$

(b)  $5\frac{3}{5} - 4\frac{2}{5} = 1\frac{3-2}{5} = 1\frac{1}{5}$



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(c)  $5 + 1\frac{5}{7} = 6\frac{5}{7}$

(d)  $2\frac{1}{2} + 5\frac{1}{3} = 7\frac{3+2}{6} = 7\frac{5}{6}$

(e)  $5\frac{1}{2} + 4\frac{2}{4} - 1\frac{1}{3} = 8\frac{6+6-4}{12} = 8\frac{8}{12} = 8\frac{2}{3}$

### 4. Simplify. [2.2.5.7; 2.2.5.8; 2.2.5.9]

(a)  $\frac{1}{6}$  of 18 kilograms =  $\frac{1}{6} \times 18 = 3$  kilograms

(b)  $\frac{5}{9}$  of 63 kilometres =  $\frac{5}{9} \times 63 = 35$  kilometres

(c)  $\frac{3}{5}$  of 5 =  $\frac{3}{5} \times 5 = 3$

(d)  $\frac{8}{9}$  of 18 =  $\frac{8}{9} \times 18 = 16$

