

Master Maths 8 Worksheet 9

Fractions - Addition and Subtraction

9

Name: _____

1. Complete the following calculations.

(a) $\frac{3}{7} + \frac{2}{7}$ (b) $\frac{7}{9} - \frac{5}{9}$ (c) $\frac{6}{13} + \frac{5}{13}$

(d) $2\frac{3}{4} + 3\frac{1}{4}$ (e) $5\frac{8}{9} - 3\frac{7}{9}$ (f) $4 - 2\frac{3}{4}$

2. Convert the fractions in the following problems to ones with common denominators before solving.

Write answers in their simplest form.

(a) $\frac{3}{10} + \frac{1}{5}$ (b) $\frac{11}{12} - \frac{2}{3}$ (c) $\frac{7}{9} - \frac{1}{3}$

(d) $\frac{1}{4} + \frac{2}{5}$ (e) $\frac{7}{8} - \frac{2}{3}$ (f) $\frac{5}{6} - \frac{3}{4}$

(g) $\frac{5}{6} - \frac{3}{4} + \frac{2}{3}$ (h) $\frac{8}{9} + \frac{2}{5} - \frac{2}{3}$

3. Write the answers to the following problems as mixed numbers in their simplest form.

(a) $3\frac{5}{8} + 2\frac{5}{6}$ (b) $7\frac{8}{9} - 3\frac{3}{4}$ (c) $5\frac{7}{9} - 2\frac{3}{7}$

4. Belinda worked a part-time job after school. In one week she worked the following hours:

Monday: $2\frac{1}{2}$ hours Tuesday: $3\frac{3}{4}$ hours

Wednesday: $1\frac{1}{4}$ hours Thursday: $2\frac{3}{4}$ hours

(a) What is the total number of hours she worked in the week?

(b) If she gets paid \$20 per hour, what was her total pay for the week?

5. An eight metre length of timber is cut into two pieces. One is half a metre longer than the other.

What is the length of each piece of timber?