

# Adding and Subtracting Fractions: math test, Grade 4

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Suggested time: 45 minutes. Out of 20 points. Calculator allowed only when the problem says so.

### 1 Like denominators

/ 4 pts

Calculate.

a)  $\frac{5}{11} + \frac{3}{11}$  b)  $\frac{13}{15} - \frac{7}{15}$  c)  $\frac{2}{7} + \frac{4}{7} + \frac{1}{7}$  d)  $1 - \frac{2}{9}$

### 2 Converting

/ 3 pts

- a) Write  $\frac{17}{5}$  as a mixed number.  
b) Write  $4\frac{3}{8}$  as an improper fraction.  
c) Write  $\frac{23}{6}$  as a mixed number.

### 3 Mixed numbers

/ 4 pts

Calculate.

a)  $3\frac{2}{9} + 1\frac{5}{9}$  b)  $2\frac{7}{10} + 3\frac{6}{10}$  c)  $7\frac{5}{8} - 3\frac{2}{8}$  d)  $6\frac{1}{5} - 2\frac{4}{5}$

4

**Decomposing**

/ 3 pts

- a) Write  $\frac{9}{10}$  as a sum of unit fractions.
- b) Write  $\frac{9}{10}$  as the sum of two fractions in two different ways.
- c) Write  $2\frac{3}{4}$  as a whole number times  $\frac{1}{4}$ .

5

**Multiplying**

/ 3 pts

Calculate and give each result as a mixed number or whole number.

- a)  $3 \times \frac{4}{7}$  b)  $6 \times \frac{5}{8}$  c)  $4 \times \frac{3}{4}$

6

**Fruit stand**

/ 3 pts

Rosa bought  $3\frac{3}{4}$  pounds of apples and  $2\frac{2}{4}$  pounds of pears.

- a) How many pounds of fruit did she buy?
- b) She used  $1\frac{3}{4}$  pounds for a pie. How many pounds are left?

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