

Addition and Subtraction of Like Mixed Numbers II

1. Solve the following fractions. Simplify your answer.

a. $4\frac{3}{8} + 2\frac{2}{8}$

d. $8\frac{4}{5} - 1\frac{1}{5}$

b. $3\frac{2}{5} + 1\frac{4}{5}$

e. $4\frac{1}{8} - 2\frac{6}{8}$

c. $4\frac{2}{3} + 3\frac{2}{3}$

f. $6\frac{4}{5} - 3\frac{1}{5}$

Solution:

a.

d.

b.

e.

c.

f.

2. Suppose you are making pancakes and need $4\frac{1}{2}$ cups of flour but you only have $2\frac{3}{4}$ cups. How many additional cups will you have to get to make the pancakes?

Solution:

3. John and Sam are training for a marathon. On a recent Sunday, they both completed a run. Sam ran $12\frac{7}{8}$ miles and John ran $14\frac{3}{8}$ miles. How many more miles did John run than Sam?

Solution:

4. Amy collected a few insects in her backyard. She recorded their lengths in a table.

a. How much longer is the worm than the ant?

b. Find the difference between the length of the worm and caterpillar.

c. How much longer is the worm than the combined length of the caterpillar and ant?

INSECT	LENGTH (cm)
Worm	$8\frac{8}{10}$
Caterpillar	$4\frac{2}{10}$
Ant	$\frac{5}{10}$

Solution:

a.

b.

c.

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Answer Key

1.

a. $6\frac{5}{8}$

b. $5\frac{1}{5}$

c. $8\frac{1}{3}$

d. $7\frac{3}{5}$

e. $1\frac{3}{8}$

f. $3\frac{3}{5}$

2. $1\frac{3}{4}$

3. $1\frac{1}{2}$

4.

a. $8\frac{3}{10}$

b. $4\frac{3}{5}$

c. $4\frac{1}{10}$