

Addition and Subtraction of Unlike Mixed Numbers I

1. Find the sum or the difference. Write your answer in simplest form.

a. $3\frac{1}{6} + 2\frac{3}{5}$

e. $1\frac{3}{4} + 6\frac{6}{7}$

b. $6\frac{3}{7} - 1\frac{2}{5}$

f. $2\frac{2}{7} + 3\frac{5}{6}$

c. $3\frac{4}{5} + 4\frac{1}{3}$

g. $2\frac{4}{7} + 3\frac{2}{3}$

d. $6\frac{1}{2} - 4\frac{2}{3}$

h. $5\frac{1}{2} + 8\frac{3}{4}$

Solution:

a.

d.

g.

b.

e.

h.

c.

f.

2. A box of paper clips fell on the floor. Betty picked up $\frac{2}{5}$ of the paper clips and Joanne picked up $\frac{3}{10}$. How many of the paper clips did they pick up altogether?

Solution:

3. A craft store has a 9 yard spool of ribbon. In the morning, a customer buys $\frac{1}{5}$ yard of ribbon from the spool. In the afternoon another customer buys $\frac{7}{10}$ yard of ribbon from the spool. How much ribbon is left?

Solution:

4. Grace thought that a plane journey would take $\frac{7}{10}$ hours but the actual journey took $\frac{1}{5}$ hr longer. How long did the actual journey take?

Solution:

5. Which of the following expression is equal to $7\frac{5}{6}$?

a. $4\frac{1}{6} + 3\frac{4}{6}$

c. $9\frac{7}{6} - 2\frac{3}{6}$

b. $4\frac{2}{3} + 3\frac{3}{6}$

d. $9\frac{2}{3} - 2\frac{3}{6}$

Solution:

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Answer Key

1.

a. $5\frac{23}{30}$

b. $5\frac{1}{35}$

c. $8\frac{2}{15}$

d. $1\frac{5}{6}$

e. $8\frac{17}{28}$

f. $6\frac{5}{42}$

g. $6\frac{5}{21}$

h. $14\frac{1}{4}$

2. $\frac{7}{10}$

3. $8\frac{1}{10}$

4. $\frac{9}{10}$

5. A.