tutorified

Addition and Subtraction of Unlike Mixed Numbers II

1. Solve the following fractions. Simplify your answer.

   a. $3\frac{1}{4} + 3\frac{5}{8}$ d. $4\frac{1}{3} - 3\frac{3}{5}$

   b. $3\frac{5}{11} + 7\frac{2}{3}$ e. $15\frac{3}{4} - 8\frac{5}{6}$

   c. $8\frac{7}{9} + 5\frac{9}{11}$ f. $4\frac{4}{15} - 2\frac{19}{45}$

   Solution:

   a.   c.   e.

   b.   d.   f.

2. Joe has two pumpkin fields and the total area of two pumpkin fields is $3\frac{2}{5}$ acres. The big field yield $3\frac{2}{5}$ tons of pumpkins and the small $2\frac{1}{12}$ tons of pumpkins. What is the total yield of pumpkins?

   Solution:

3. Last month, the price of one pound of carrots was $\$ 2\frac{1}{5}$ and Joe sold $12\frac{1}{12}$ pounds of carrots. This month, the price has increased by $\$ 1\frac{1}{10}$ and Farmer Joe only sold $5\frac{1}{8}$ pounds of carrots. What is the price of a pound of carrots this month?

   Solution:

4. The penguin nursery is open two times a day: $2\frac{2}{3}$ hour in the morning and 5 ½ hour in the afternoon.
   How much time is the penguin nursery open every day?

   Solution:

5. Mark ran 2 $^{1}/_{3}$ km and Shaun ran 3 $^{1}/_{5}$ km. Find the difference in the distance that they ran.

   Solution:

6. Solve the expression below:
   $4\frac{1}{7} + 2\frac{1}{3} - \frac{3}{4} = ?$

   a. $5\frac{61}{84}$ c. $5\frac{31}{84}$

   b. $\frac{41}{84}$ d. $\frac{20}{84}$

   Solution:

1.
   a. $6\frac{7}{8}$
   b. $11\frac{4}{33}$
   c. $14\frac{59}{99}$
   d. $\frac{11}{15}$
   e. $6\frac{11}{12}$
   f. $1\frac{38}{45}$

2. $5\frac{29}{60}$

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

4. $8\frac{1}{6}$

5. $\frac{13}{15}$

6. A