

Name: _____

Date: _____

SUBTRACTING MIXED NUMBERS AND WHOLE NUMBERS



PRACTICE

Subtract the following. Make sure to write your solution neatly.

1 $5 - \frac{2}{5} =$

2 $1 - \frac{5}{8} =$

3 $10 - 5\frac{1}{10} =$

4 $8 - 3\frac{3}{4} =$

5 $12\frac{5}{9} - 1\frac{2}{9} =$

6 $2\frac{9}{10} - 2\frac{1}{10} =$

7 $5\frac{3}{4} - 2\frac{1}{2} =$

8 $6\frac{4}{5} - \frac{2}{3} =$

9 $11\frac{1}{6} - 2\frac{7}{8} =$

10 $8\frac{2}{11} - 2\frac{2}{3} =$



APPLY

Neil and Noah are helping their mother at the fruit stand today. Let us help them by solving the word problems that follow!



Answer each of the question carefully. Make sure to simplify your final answer.

- 1 At the start of the day, there were 10 kilograms of apples at the fruit stand. By the end of the day, only $5\frac{1}{3}$ kilograms left. How many kilograms of apples were sold?
- 2 A box of bananas weighs $7\frac{3}{4}$ pounds. A box of melons weighs $15\frac{1}{8}$ pounds. How much heavier is the box of melons compared to the box of bananas?
- 3 A customer ordered $5\frac{1}{2}$ kilograms of kiwi. Noah has already packed $3\frac{5}{6}$ kilograms. How many more kilograms should Neil add to complete the order?



ANALYZE

Brigitte and Donna had different solutions to the same problem. Only one of them is correct. Which solution is correct, and what mistake did the other person make? Explain your answer and show the correct solution.

Brigitte's solution

$$\begin{aligned} & 10\frac{2}{3} - 8\frac{5}{6} \\ &= 10\frac{8}{12} - 8\frac{10}{12} \\ &= 10\frac{20}{12} - 8\frac{10}{12} \\ &= 2\frac{10}{12} = 2\frac{5}{6} \end{aligned}$$

Donna's solution

$$\begin{aligned} & 10\frac{2}{3} - 8\frac{5}{6} \\ &= 10\frac{8}{12} - 8\frac{10}{12} \\ &= 9\frac{20}{12} - 8\frac{10}{12} \\ &= 1\frac{10}{12} = 1\frac{5}{6} \end{aligned}$$



CREATE



At a competition, Kim finished the race in $3\frac{3}{4}$ minutes, while Sacha completed it in $2\frac{1}{12}$ minutes. Shan ran $1\frac{1}{3}$ minutes faster than Kim, and Morgan ran $1\frac{1}{4}$ minutes more than Shan. Based on their times, determine who came in third place.

Draw a bar model or a tape diagram to represent each of the contestant's time.