

Addition and Subtraction of Three Fractions with Different Denominators



Date: _____

Mark: _____



Calculate the following.

$$1. \frac{3}{4} - \frac{1}{9} + \frac{1}{6} = \boxed{}$$

$$2. \frac{7}{8} + \frac{2}{3} - \frac{1}{4} = \boxed{}$$

$$3. 3\frac{1}{2} + \frac{7}{10} - 2\frac{1}{5} = \boxed{}$$

$$4. 5\frac{1}{12} - 3\frac{5}{6} + 1\frac{1}{2} = \boxed{}$$

$$5. 8 - (2\frac{1}{3} + 1\frac{1}{6}) = \boxed{}$$

$$6. 7\frac{4}{5} + (3\frac{1}{2} - 1\frac{1}{10}) = \boxed{}$$

$$7. 2\frac{1}{2} + (8 - 5\frac{3}{7}) = \boxed{}$$

$$8. 4\frac{7}{12} - 6\frac{5}{6} + 3\frac{1}{3} = \boxed{}$$



Write expressions to solve the following problems.

9. After $10\frac{3}{5}$ L of Ginseng tea is sold, the shop prepares $15\frac{1}{2}$ L more. How many litres of Ginseng tea are there?



There are: _____



The herbal tea shop prepared 24 L of Ginseng tea originally.

10. The school bags of Peter, Paul and Jack weigh $4\frac{3}{8}$ kg, $2\frac{2}{5}$ kg and $3\frac{3}{10}$ kg respectively. How much heavier are Paul's and Jack's school bags than that of Peter?



Paul's and Jack's school bags are heavier by:

11. The area of farmland A is $36\frac{7}{10}$ m². The area of farmland B is $12\frac{1}{2}$ m² smaller than farmland A. What is the total area of farmland A and farmland B?



The total area is: _____

12. Sophia and Sally each had a roll of ribbon of the same length. $1\frac{4}{5}$ m of ribbon was left after Sophia used $1\frac{3}{4}$ m of hers. How long was Sally's ribbon after she used $2\frac{1}{2}$ m?



The length of the remaining ribbon was: _____

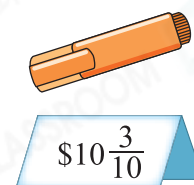
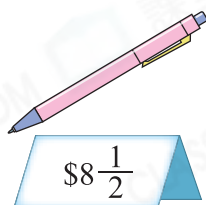
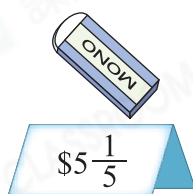
13. Mrs Cheung spent $1\frac{1}{12}$ hours on cleaning, $1\frac{1}{3}$ hours on cooking and $\frac{1}{4}$ hour on washing-up respectively. How many more hours did she spend on cooking and washing-up than cleaning?

Answer: hour(s)

14. There were some red beans in the restaurant. The shopkeeper bought $10\frac{1}{8}$ kg of red beans more. After preparing red bean soup with $3\frac{7}{10}$ kg of red beans, $8\frac{3}{5}$ kg of red beans are left. How many kilograms of red beans were there in the restaurant originally?

Answer: kg

15.



- (a) Iris has $\$10\frac{2}{5}$. How much more does she need to buy a rubber and a pen?

Answer: She needs \$ more.

- (b) Albert buys 2 different pieces of the stationeries above. He pays with a 50-dollar note. The change is at least \$.

16. Mrs Man bought $2\frac{1}{4}$ kg of vegetables from supermarket. The meat she bought was $\frac{7}{8}$ kg lighter than vegetables while the fruits she bought was $1\frac{1}{2}$ kg heavier than meat. What was the weight of fruits Mrs Man bought? (Show your working)



Scoring Key

Vegetables

$2\frac{1}{4}$ kg

Meat

$\frac{7}{8}$ kg

Fruits

$1\frac{1}{2}$ kg

? kg