1. Mrs. Rothberg baked 500 muffins on Saturday and 3 times as many muffins on Sunday. If she sold 5 muffins for $4, how much would she earn by selling all her muffins on both days?

2. Jack had $80 more than Eric. When Jack spent $30, he found that the amount of money he had left was twice as much as what Eric had. How much did the boys have altogether in the beginning?

3. A shirt cost $15 more than a pair of shorts. Terrell paid $101 for 3 shirts and 5 pairs of shorts. How much did each shirt cost?

4. A watch costs $48 more than a clock. The cost of the clock is 4/7 the cost of the watch. Find the total cost of the 2 items.

5. A farmer had a total of 700 goats and sheep. If he sold ¾ of his goats and 400 sheep, he would have an equal number of goats and sheep left. How many more sheep than goats did he have in the beginning?

6. In a factory, the number of female workers is 3 2/3 times the number of male workers. There are 16 more female than male workers. Find the total number of workers in the factory.

7. Nikhil had 3/7 as many books as William. They had a total of 340 books. How many books must William give to Nikhil so that each of them would have the same number of books?

8. Mrs. Yang bought 5 chickens and 3 ducks for $81. A chicken cost $5 more than a duck.
   a) What was the cost of each duck?
   b) What was the cost of each chicken?

9. Kelly bought 4 apples and 6 pears for $5. Joey bought 8 apples and 2 pears for $4. Find the price of an apple.

10. Find a number that is more than 50 but less than 100. When the number is divided by 7, the remainder is 4. When the number is divided by 10, the remainder is 8. What is the number?

11. Meera paid $240 for 4 pairs of shoes and 4 pairs of shorts. Each pair of shoes cost 4 times as much as a pair of shorts. Find the difference in price between a pair of shoes and a pair of shorts.

12. Aunt Jane is 31 years old. Her daughter is 13 years old. How many years ago was Aunt Jane 3 times as old as her daughter?

13. Caleb had 90 pencils and pens. After giving away 1/3 of his pencils and 10 pens, he had an equal number of pencils and pens left. How many pencils did he have in the beginning?

14. The sum of Mr. O'Malley's age and his son's age is 38 years this year. 4 years ago, Mr. O'Malley was 5 times as old as his son.
    a) How old is his son this year?
    b) How old is Mr. O'Malley this year?

15. This year, Albert and his grandfather's ages total 64 years. In 3 years, Albert's grandfather will be 6 times as old as Albert. How many years older than Albert in his grandfather this year?

16. I am a number between 60 and 80. I have a remainder of 3 when divided by 4. I have a remainder of 1 when divided by 7. What number am I?

17. Sara spent $\frac{4}{9}$ of her paycheck on food, $\frac{1}{3}$ of her remaining money on rent, $180 on shopping, $270 on clothing, and saved the remaining $50. What fraction of her paycheck did she save?

18. Carter and Ari had $240 altogether. Ari had twice as much as Carter after Carter gave him $16. How much more money did Ari have than Carter in the beginning?

19. 8 shirts and 5 pairs of pants cost $695 altogether. 3 shirts and 3 pairs of pants cost $300 altogether. How much more does each shirt cost than each pair of pants?

20. Ella and Nico had $250 altogether. If Nico spent $35, he would still have $5 more than Ella. How much money did Ella have?

21. Manuel had some marbles. He gave Lily half of his marbles plus 1 more. He gave Matt half of the remaining marbles plus 2 more. If he had 5 marbles left in the end, how many marbles did Manuel have in the beginning?

22. Xavier, Thomas, and Mei had 650 marbles. Thomas had 3 times as many marbles as Mei. Mei had 50 fewer marbles than Xavier. How many marbles did Xavier and Mei have altogether?

23. There were an equal number of boys and girls in a school auditorium. After 24 boys left the auditorium, there were 3 times as many girls as boys. How many children were there in the beginning?

24. Nathan and Audrey had $250. After Audrey gave $10 to Nathan, they had the same amount of money left. How much money did Nathan have at the beginning?

25. 8 waffles cost $4 more than 8 pancakes. Harry paid $18 for 4 pancakes and 4 waffles. What was the cost of the pancakes?