

1. If a bushel of wheat costs 12 cents more than a bushel of corn, and if both together cost \$2.96, what is the cost of each?
2. James is 6 years less than twice the age of his sister. Their united ages amount to 42 years. How old is each?
3. John had twice as many cents as Robert. After John had spent 6 cents and Robert had spent 4 cents, they both together had 26 cents. How many had each at first?
4. Divide the number 82 into three such parts that the first may exceed the second by 6, and the second exceed the third by 8.
5. Divide the number 60 into three such parts that the first and second numbers shall be equal, and that the third number shall be 12 less than the sum of the first two.
6. How many pounds of five-cent sugar and of seven-cent sugar shall be put together to make a mixture of 20 pounds, worth \$1.16?
7. In a flight of stairs consisting of eight steps, each step is 1 inch higher than the one below it. If the height of the stairs is 7 ft., how high is each step?
8. Divide 40 marbles between two boys so that one has $\frac{3}{4}$ as many as the other.
9. What number increased by one-eighth of itself amounts to 27?
10. $\frac{3}{4}$ of a number added to $\frac{1}{4}$ of that number is equal to 68. What is the number?
11. $2\frac{1}{2}$ times a certain number increased by 12 is equal to 117. What is the number?
12. After Robert had spent $\frac{1}{4}$ of his money, and Ralph had spent $\frac{2}{3}$ of his money, they had 24 cents apiece. How much had each at first?
13. A farmer sold $\frac{1}{3}$ of his farm to one man and $\frac{1}{4}$ of it to another man. If the difference between the two parts sold was 15 acres, how much land did the farm contain originally?
14. 3 years taken from half the age of Mary is equal to $\frac{2}{3}$ of the age of Julia. If the sum of their ages is 27, what is Mary's age?
15. Two boys divided some apples so that one had 4 more than $\frac{1}{3}$ of them, and the other had 1 less than half of them. How many had each boy?