

7th grade

9. If the sum of two consecutive odd numbers is 208, what are the numbers?

103, 105

10. If  $m$  is an odd number, write an expression for the next three consecutive odd numbers. If the sum of these four numbers is 32, find  $m$ .

$m+2, m+4, m+6; 5$

11. The sum of a number,  $\frac{3}{8}$  of the number and  $\frac{5}{16}$  of the number is  $7\frac{1}{2}$ . Find the number.

$4\frac{4}{9}$

12. I think of a certain number. If I multiply it by 6, add -18 to the product and take away one-third of the sum, I will get -2. What is the number?

$2\frac{1}{2}$

13. The sum of two numbers is 2 and their difference is 10. Find the numbers.

-4, 6

14. There are twice as many 50-cent coins as there are one dollar coins in a box. If the total value of the money in the box is 154 dollars, how many 50-cent coins are there in the box?

154

15. Divide 102 dollars among three boys,  $A$ ,  $B$  and  $C$ , so that  $A$  gets twice as much as  $B$  and  $C$  gets  $1\frac{1}{2}$  times as much as  $A$ . How much does each boy get?

$A: \$34; B: \$17; C: \$51$