

What should I be able to do?

- 1) Solve general word problems
 - 2) Solve consecutive integer word problems
 - 3) Solve distance, rate and time word problems
 - 4) Solve coin, stamp and ticket word problems
 - 5) Solve age word problems
 - 6) Solve mixture word problems
 - 7) Solve work-related word problems
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1. Five times a number decreased by 4 is 2 less than 7 times the number. Find the number.
2. The sum of two consecutive odd integers is 20. Find the integers.
3. The sum of two consecutive even integers is 3 times the lesser integer decreased by 16. Find the integers.
4. Two planes leave an airport at the same time. One plane flies west at 600 km/hr. The other flies east at 340 km/hr. In how many hours will they be 2,820 km apart?
5. Two trains start toward each other from a distance of 1,050 miles apart. One train travels at 65 mph and the other at 40 mph. In how many hours will they pass each other?
6. In a jar there are 45 coins. There are twice as many nickels than pennies and also some dimes. The total value of the coins is \$2.60. Find the number of each type of coin.
7. In a piggy bank there are 4 times as many nickels than dimes. If there is \$7.20 in the bank, find how many of each coin are in the bank.
8. Amy is 16 years old and Jane is 10 years old. How many years ago was Amy twice as old as Jane?
9. John's age plus his mother's age is 62. In 6 years his mother's age will be twice John's age decreased by 4. Find their ages now.
10. The cost of tickets for a play is \$3.00 for adults and \$2.00 for children. If 350 tickets were sold and \$950 was collected, how many children tickets and adult tickets were sold?
11. At a dance club, members paid \$3.50 each for tickets and non-club members paid \$5.00 each. There were 20 fewer non-club members than club members at the dance. If the receipts totaled \$750, how many club members attended?
12. John has 50 stamps, some worth \$0.15 and some worth \$0.20. If their total value is \$9.50, how many of each kind does John have?
13. Brand X sells 21 oz. bags of mixed nuts that contain 29% peanuts. To make their product they combine Brand A mixed nuts which contain 35% peanuts and Brand B mixed nuts which contain 25% peanuts. How much of each do they need to use?
14. Working together, Paul and Daniel can pick forty bushels of apples in 5 hours. Had he done it alone it would have taken Daniel 9 hours. Find how long it would take Paul to do it alone.