

## 12) Word Problems

Number puzzles

12.1 5 and 15

12.2 4 and 9

12.3 10, 12, and 14

12.4 11 and 16

12.5 6 and 14

Value problems

12.6 22 pennies,  
11 nickels,  
and 7 dimes

12.7 12 quarters  
and 18 nickels

12.8 20 34¢-stamps  
and 7 20¢-stamps

12.9 9 acoustic guitars  
and 5 electric guitars

12.10 4 adult tickets  
and 18 student tickets

12.11 9 three-point shots  
and 7 two-point shots

One number is three times larger than another. The larger number is also one less than twice the sum of three and the smaller number. What are the numbers?

12.1

Two numbers add up to thirteen. The larger number is one more than twice the smaller number. What are the numbers?

12.2

Three consecutive even integers add up to 36. What are the three integers?

12.3

Two numbers have a difference of five. The smaller number is three more than half the larger. What are the numbers?

12.4

Two numbers add up to twenty. The larger number is four less than three times the smaller number. What are the numbers?

12.5

A cash register with pennies (1¢), nickels (5¢), and dimes (10¢) holds \$1.47. There are four more nickels than dimes, and twice as many pennies as nickels. How many of each coin are in the register?

12.6

A jar contains 30 coins worth \$3.90. The jar holds only quarters (25¢) and nickels (5¢). How many quarters and nickels are in the jar?

12.7

A post office has 27 stamps in a folder. The folder contains 34¢ stamps and 20¢ stamps. The total value of the stamps in the folder is \$8.20. How many of each type of stamp are in the folder?

12.8

A collector has 14 guitars worth a total of \$810. The acoustic guitars are worth \$40 each, and the electric guitars are worth \$90 each. How many of each type of guitar does the collector have?

12.9

A school spent \$168 to buy 22 tickets for a museum field trip. Adult tickets were \$15 each and student tickets were \$6 each. How many adult tickets and how many student tickets were purchased?

12.10

A basketball player made two more 3-point shots than 2-point shots. If the player scored 41 points, how many of each type of shot did the player make?

12.11