Practice Page: Word Problem Types

Only the beginnings of these word problems are given. Identify which type of word problem each one is by using the Word Problem Types handout. *Don’t try to solve them!*

1. When the lesser of two consecutive integers is added to twice the larger…
   Type: ___________________________________________

2. How many liters of a 60% acid solution must be mixed with a 75% acid solution to get 20 liters of …
   Type: __________________________________________

3. Two steamers leave a port on a river at the same time, traveling in opposite directions…
   Type: __________________________________________

4. Two times the sum of x and thirteen is equal to …
   Type: __________________________________________

5. The area of a triangle is 30 square inches. The base of the triangle measures 2 inches more than twice the height…
   Type: __________________________________________

6. Kevin is three times as old as Bob. Three years ago, the sum of their ages was 22…
   Type: __________________________________________

7. Find the measure of an angle whose supplement is three times its measure…
   Type: __________________________________________

8. Eduardo invested some money in an account that paid 5% interest and $1200 less than that amount in a second account paying 4%. His total interest was $141…
   Type: __________________________________________

9. A ladder is leaning against a building. The distance from the bottom of the ladder to the building is 4 ft less than the length of the ladder…
   Type: __________________________________________

10. If the equation \( h = -16t^2 + 64t \) describes the height \( h \) of an object in feet \( t \) seconds after it is projected from the ground…
    Type: __________________________________________
11. The product of three times and number and eight is the same as twice the sum of the number and…. 
Type: ___________________________________________

12. Movie tickets cost $8 for adults and $5 for children. If the box office took in $4116 from the sale of 600 tickets…
Type: ___________________________________________

13. A boat can go 20 mi against a current in the same time that it can go 60 mi with the current. The current is 4 mph…
Type: ___________________________________________

14. One pipe can fill a swimming pool in 6 hr, and another can do it in 9 hr. How long will it take the two pipes working together…
Type: ___________________________________________

15. During the 109th Congress (2005-2006) the U.S. Senate had a total of 99 Republicans and Democrats. There were 11 more Republicans than Democrats…
Type: ___________________________________________

16. For routine cleaning, it is recommended that ½ cup of Armstrong® Concentrated Floor Cleaner be mixed with 1 gallon of warm water. How much cleaner should be mixed with 10 ½ gallons…
Type: ___________________________________________

17. From a point on a straight road, Marco and Celeste ride bicycles in the same direction. Marco rides at 10 mph and Celeste rides at 12 mph. In how many hours will they be 15 miles apart …
Type: ___________________________________________

18. In a certain problem, the denominator is 4 less than the numerator. If 3 is added to both the numerator and denominator …
Type: ___________________________________________

19. A photograph measuring 15 inches by 18 inches is surrounded by a frame of uniform width. If the area of the photograph and frame combined is …
Type: ___________________________________________

20. On a map, one inch represents 100 miles. If Los Angeles and San Francisco are 350 miles apart…. 
Type: ___________________________________________