Standard Form Word Problems Worksheet

Hint: Think about how each total is calculated to help you determine an equation.

1) The admission fee at a small fair is $1.50 for children and $4.00 for adults. On a certain day $5,050 is collected.
   a) Come up with an equation to describe this relationship
   b) If 1500 children attended the fair, how many adults attended?

2) A landscaping company sells 13 bushes and 4 trees for $616.
   a) Come up with an equation to describe this relationship
   b) If trees cost $63, how much do bushels cost?

3) A jet took four hours to fly 1800 miles against a Jetstream. The jet's speed was 525 mph.
   a) Come up with an equation to describe this relationship
   b) How fast was the wind speed?

4) A boat travelled 336 km downstream with the current. The trip downstream took 12 hours.
   a) Come up with an equation to describe this relationship
   b) If the current is moving at 2 km/h, how fast is the boat moving from its engine?

5) Students rented buses and vans to go attend the Southwood Staff/Student Hockey Game. There were 8 vans and 12 buses for the 360 students.
   a) Write an equation to describe this relationship
   b) If there were 12 students per van, how many students fit in each bus?

6) You have 6 L of water that has 20 percent strawberry juice. How many litres of an 80 percent strawberry juice should be added to the mixture to make 55 percent strawberry juice?

7) 200 Litres of a punch that contains 35% fruit juice is mixed with 300 L of another punch. The resulting fruit punch is 20% fruit juice. Find the percent of fruit juice in the 300L of punch.

Answers

1) 700 2) $28 3) 75 mph 4) 26 km/h 5) 22 6) 8.4L 7) 10%