Name_____   Date_____
Math 8 , Period _____   Teacher_____

Solving Proportions Worksheet

Write a proportion to solve each problem. Then solve.

1) About 1 out of every 5 people is left-handed. If there were 28 students in a class, how many would you expect to be left-handed?

1)_____

2) A car travels 144 miles on 4 gallons of gasoline. At this rate, how many gallons are needed to drive 450 miles?

2)_____

3) If Trevor can type 2 pages in 15 minutes, then how long will it take him to type 35 pages?

3)_____

Solve each proportion.

4) $\dfrac{2}{7} = \dfrac{x}{42}$

4)_____

5) $\dfrac{5}{15} = \dfrac{3x}{45}$

5)_____

6) $\dfrac{0.1}{2} = \dfrac{0.5}{x}$

6)_____

7) $\dfrac{x}{4} = \dfrac{3}{2}$

7)_____

8) $\dfrac{5}{2} = \dfrac{x+10}{1}$

8)_____

Write a proportion to solve each problem. Then solve.

9) If a roll of 12-exposure film costs $4.20 to develop, then how much does each picture to develop?

9)_____

10) Each 10K of memory in the microcomputer can store 10,240 bytes of information. Find the number of bytes that can be stored in 128K of memory.

10)_____

11) A park ranger stocks a pond with 4 sunfish for every three perch. Suppose 296 sunfish are put in the pond, how many perch should be stocked?

11)_____

Solve each proportion.

12) $\dfrac{x+1}{4} = \dfrac{3}{4}$

12)_____

13) $\dfrac{-0.4}{m} = \dfrac{-2}{4.5}$

13)_____

14) $\dfrac{9}{y+1} = \dfrac{18}{54}$

14)_____

15) $\dfrac{12}{r} = \dfrac{-3}{1}$

15)_____