

# Why Did the Writer Enjoy Living in a Basement?

Do each exercise and find your answer to the right. Write the letter of the answer in the box containing the number of the exercise. If the answer has a ●, shade in the box instead of writing a letter in it.

I. Write each ratio as a fraction in simplest form.

- (1) 7 to 12                      (2) 9:4  
 (3) 8 to 10                      (4) 20 to 12  
 (5) 25:50                        (6) 6 out of 15  
 (7) 80 to 60                    (8) 35 out of 100  
 (9) 78 out of 780              (10) 90:30  
 (11) The ratio of wins to tosses for a team with 60 wins and 90 losses.  
 (12) The ratio of girls to boys in a 7th grade class with 300 girls and 250 boys.  
 (13) The ratio of red to blue for a purple paint made by mixing 24 oz of red with 28 oz of blue.  
 (14) The ratio of blue to red for a purple paint made by mixing 24 oz of red with 28 oz of blue.

Answers:

- (H)  $\frac{8}{5}$                       (T)  $\frac{4}{5}$   
 (A)  $\frac{1}{10}$                       ●  $\frac{4}{3}$   
 ●  $\frac{6}{5}$                         (D)  $\frac{3}{10}$   
 (A)  $\frac{7}{12}$                       (S)  $\frac{1}{2}$   
 (L) 3                         (T)  $\frac{7}{20}$   
 (A)  $\frac{7}{6}$                       (E)  $\frac{9}{4}$   
 ●  $\frac{5}{3}$                         (I)  $\frac{6}{7}$   
 (E)  $\frac{2}{3}$                       (R)  $\frac{2}{5}$

II. Write the ratio of the two measurements in the unit indicated (a *unit* rate).

- (15) A car traveled 300 miles on 15 gallons of gas. (miles per gallon)  
 (16) Ima Smurf typed 120 words in 3 minutes. (words per minute)  
 (17) Dr. Cranium traveled 2,800 miles in 5 hours: (miles per hour)  
 (18) A gear revolved 960 times in 30 minutes. (revolutions per minute)  
 (19) Gloria Trench earned \$144 in 8 hours. (dollars per hour)  
 (20) Roger Bannister ran 5,280 feet in 4 minutes. (feet per second) (HINT 4 min = ? s)

Answers:

- (M) 48                      (B) 560  
 (C) 32                      (L) 22  
 (T) 15                      ● 20  
 (W) 40                      (N) 520  
 (S) 18                      (E) 36

13	3	7	16	9	5	15	1	4	17	11	19	8	12	18	2	20	10	14	6
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