

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) $\frac{1}{2}$
 (T) $\frac{7}{20}$ (L) $\frac{3}{1}$
 (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
----	---	---	----	---	---	----	---	---	----	----	----	---	----	----	---	----	----	----	---