

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 losses 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

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