





# 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   |

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