

PROPORTIONS – Wire

1. If 6 feet of baling wire cost \$3.40, find the cost of 9 feet of baling wire?
① ② ③ ④ ⑤
(1) \$3.60
(2) \$4.50
(3) \$5.01
(4) \$5.10
(5) \$30.60
2. The scale on a U.S. map says that 2 inches = 150 miles. Two cities are actually 300 miles apart. How many inches apart are they on the map?
① ② ③ ④ ⑤
(1) 4 inches
(2) 6 inches
(3) 8 inches
(4) 10 inches
(5) 12 inches
3. 30 hens lay 75 eggs a month. How many eggs will 50 hens lay in a month?
① ② ③ ④ ⑤
(1) 125 eggs
(2) 150 eggs
(3) 175 eggs
(4) 200 eggs
(5) 250 eggs
4. A Southwest jet travels 400 miles in 2 hours. How many hours will it take the Southwest jet to go 1,200 miles?
① ② ③ ④ ⑤
(1) 3 hours
(2) 6 hours
(3) 8 hours
(4) 9 hours
(5) 12 hours
5. Henry wants to make green paint. The ratio of blue paint to yellow paint to make green is 5:2. How many quarts of blue paint will Henry need to mix with 14 quarts of yellow paint in order to make green paint?
① ② ③ ④ ⑤
(1) 35 quarts
(2) 40 quarts
(3) 45 quarts
(4) 50 quarts
(5) 55 quarts
6. If nectarines cost \$.90 a dozen, how much do 8 nectarines cost?
① ② ③ ④ ⑤
(1) \$.50
(2) \$.60
(3) \$.70
(4) \$.80
(5) \$.90
7. Irene's photograph was 3 inches wide and 5 inches long. It was enlarged to 15 inches long. How wide was the enlarged photograph?
① ② ③ ④ ⑤
(1) 5" wide
(2) 7" wide
(3) 9" wide
(4) 10" wide
(5) 11" wide
8. Hector can assemble 12 parts in 2 hours, how many hours will it take him to assemble 144 parts?
① ② ③ ④ ⑤
(1) 24 hours
(2) 26 hours
(3) 28 hours
(4) 30 hours
(5) 32 hours

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9. A cookie recipe calls for two cups of sugar for every three cups of flour. Sandy is using 12 cups of flour. How many cups of sugar does she need?
- ① ② ③ ④ ⑤
- (1) 8 cups of sugar
(2) 10 cups of sugar
(3) 12 cups of sugar
(4) 14 cups of sugar
(5) 16 cups of sugar
10. A 2 inch line on a graph represents 75 degrees. How long is a line that represents 150 degrees?
- ① ② ③ ④ ⑤
- (1) 4 inches
(2) 5 inches
(3) 6 inches
(4) 7 inches
(5) 8 inches
11. Six feet of aluminum weigh 15 pounds. What is the weight of 16 feet of the same aluminum?
- ① ② ③ ④ ⑤
- (1) 24 pounds
(2) 40 pounds
(3) 96 pounds
(4) 196 pounds
(5) 240 pounds
12. The ratio of girls to boys at Wagon Mound High School is 5:4. There are 120 girls in the school. How many boys are there?
- ① ② ③ ④ ⑤
- (1) 48 boys
(2) 96 boys
(3) 125 boys
(4) 380 boys
(5) 480 boys
13. Jennifer earns \$40.00 in 8 hours. How much does she earn in 16 hours?
- ① ② ③ ④ ⑤
- (1) \$12
(2) \$64
(3) \$80
(4) \$120
(5) \$640
14. Marie drove 72 miles in 1 hour. If she drives at the same average speed, how far can she go in 2 hours?
- ① ② ③ ④ ⑤
- (1) 14 miles
(2) 72 miles
(3) 140 miles
(4) 144 miles
(5) 720 miles
15. The scale on a Colorado map is 2 inches = 15 miles. How many miles apart are Boone and Pueblo, which are 6 inches apart on the map?
- ① ② ③ ④ ⑤
- (1) 12 miles
(2) 30 miles
(3) 45 miles
(4) 90 miles
(5) 450 miles
16. The ratio of red to yellow paint in Lena's mixture is 3:2. Lena will mix another mixture tomorrow. If she uses 6 gallons of red paint for the mixture, how many gallons of yellow paint should she use?
- ① ② ③ ④ ⑤
- (1) 4 gallons
(2) 8 gallons
(3) 12 gallons
(4) 16 gallons
(5) 40 gallons