

## REVIEW EXERCISES

15

10. A person takes 110 steps in a minute, the length of each being 30 in. At what rate per hour does he walk?
11. The fore-wheel of a carriage is 10 ft. in circumference and the hind one is 16 ft. How many more revolutions will one wheel make than the other in 1 mi.?

### EXERCISE 7

1. How many hours are there from noon on the 15th of June till 9 a.m. on December 31st following?
2. If telegraph posts are placed 80 yd. apart, and a train passes one every 4 sec., how many miles an hour is it running?
3. What will it cost to feed 13 horses for 40 weeks when hay is \$10 per ton and oats 40c. per bushel, if a horse eats 15 lb. of hay and 12 qt. of oats per day?
4. From Belleville to Madoc is 26 mi. 80 rd., and a carriage wheel turns 11088 times in going the distance. Find the circumference of the wheel in feet and inches.
5. A box with a cover is 2 ft. long, 2 ft. wide, and 2 ft. deep on the outside and is made of boards 1 in. thick. How many square feet of lumber are required to make it, and how many cubic inches of space are inside it?
6. *A* owns a farm of 25 a. 19 sq. rd. 7 sq. yd.; *B* owns a farm  $\frac{1}{2}$  the size of *A*'s; *C*'s is 9 a. 18 sq. yd. 7 sq. ft. less than 9 times as much as *B*'s. Find the amount of land in the three farms.
7. How many miles will a boy walk to plough 3 a., turning a furrow of 9 in.?
8. A man rolling a wheelbarrow takes 85 steps, each 2 ft. 6 in. long, in 1 min. How often will the wheel of the barrow, which is 46 in. in circumference, revolve in 1 hr.?