

EXERCISE XXX.

Find the superficial feet in each of the following:—

1. 18 ft. long, 10 in. wide, $\frac{3}{4}$ in. thick.
2. 15 ft. " 6 in. " 2 in. "
3. 10 ft. " 4 in. " 3 in. "
4. 16 ft. " 6 in. " 4 in. "
5. 13 ft. " 8 in. " 5 in. "
6. 18 ft. " 9 in. " 2 in. "
7. 14 ft. " 5 in. " 3 in. "
8. 10 ft. " 4 in. " 4 in. "
9. 15 ft. " 6 in. " $1\frac{1}{2}$ in. "
10. 20 ft. " 8 in. " $2\frac{1}{2}$ in. "

EXERCISE XXXI.

1. Find the cost of 1000 pieces of timber each of which is 24 ft. long, 10 in. wide, 3 in. thick, at \$32 a thousand feet.
2. Find the cost of the lumber for a floor 16 ft. long, 12 ft. 6 in. wide at \$50 per M, the boards being 1 inch thick.
3. A square field containing 10 acres is fenced with a closed fence 10 ft. high, the boards being 1 inch thick. How many feet of boards are used?
4. A cubical box 2 ft. long with cover, is made of inch boards. How many feet are used?
5. How many feet of inch boards will cover the four walls of a house 30 ft. long, 25 ft. wide, 15 ft. high?

Rule LI. Express the various fractional parts of a pound sterling money in shillings and pence.

Since 20s = £1, therefore

$$2s\ 6d = \frac{1}{4} \text{ of a pound.}$$

$$7s\ 6d = \frac{3}{8} \quad "$$

$$12s\ 6d = \frac{5}{8} \quad "$$

$$17s\ 6d = \frac{7}{8} \quad "$$

$$5s = \frac{1}{4} \quad "$$

$$10s = \frac{1}{2} \quad "$$

$$15s = \frac{3}{4} \quad "$$

$$1s\ 8d = \frac{1}{1\frac{1}{2}} \quad "$$

$$3s\ 4d = \frac{1}{6} \text{ of a pound}$$

$$6s\ 8d = \frac{1}{3} \quad "$$

$$8s\ 4d = \frac{5}{12} \quad "$$

$$11s\ 8d = \frac{7}{12} \quad "$$

$$13s\ 4d = \frac{2}{3} \quad "$$

$$16s\ 8d = \frac{5}{6} \quad "$$

$$18s\ 4d = \frac{1}{2} \quad "$$