

ARTICLE 147.

Multiplication of Decimals.

Multiply

1. 137.3 by .27.
2. .473 by 37.5.
3. 9.125 by 96.
4. 18.625 by 4.72.
5. 875 by .0256.
6. 156.25 by .4096.
7. 2.025 by .0576.
8. .06875 by 62.4.
9. .0128 by 78.125.
10. 9375.0625 by 3.2768.
11. 175 and 64 ten-thousandths \times 18 and 125 thousandths = ?
12. 81 and 28 hundredths \times 75 and 625 ten-thousandths = ?
13. 25 thousand \times 25 thousandths = ?
14. 225 and 1875 hundred-thousandths \times 3 and 24 hundredths = ?
15. 144 tenths \times 875 hundredths = ?
16. $56\frac{1}{4}$ times $51\frac{1}{5}$ equals what?
17. $64\frac{7}{8}$ times $1\frac{5}{8}$ equals what?
18. $1876\frac{9}{16}$ times $40\frac{24}{5}$ equals what?
19. $20\frac{1}{2}\frac{2}{3}$ times $4\frac{7}{8}$ equals what?
20. 97.65625 times $1\frac{3}{5}$ equals what?
21. Bought 81.92 acres of land at \$46.875 per acre. What did I pay for it?
22. If an express train run 51.875 miles per hour, how far can it run in 8.64 hrs.?

23. Find the cost of 48.9375 gal. of wine, at \$2.56 per gallon.

24. A farm of 31.25 acres produced 66.4 bu. of potatoes to the acre. If the entire crop was sold at \$.56 per bushel, what was received for it?

25. Bought 32 bls. of molasses, each containing 43.75 gal., at \$.625 per gallon, and sold it for 1.2 times the cost. What was the selling price?

26. A pile of wood is 63.75 ft. long 8 ft. wide, and 9.6 ft. high. What is its value, at \$4.80 a cord?

27. A field is 84.48 rods long and 56.25 rods wide. Find its value, at \$66 $\frac{2}{3}$ per acre.

28. Find the cost of excavating a cellar 37.5 ft. long, 29.25 ft. wide, and 6.4 ft. deep, at \$.225 a cubic yard.

29. Two vessels start from the same point, and sail in opposite directions, one at the rate of 15.324 miles per hour, the other at the rate of 17.316 miles per hour. How far apart will they be at the end of 15.625 hrs.?

30. A, B, and C bought 3276.8 bu. of corn, of which A took .1875, B .4375, and C the remainder. What was C's share?

31. A clerk earned .4 of .64 of \$312.5 a month for 10.5 mo., and saved .625 of it. How much did he save?

32. A speculator bought 4096 bu. of wheat, at \$1.25 a bushel. He sold .25 of it at \$1.375 a bushel, .4375 of it at \$1.5 a bushel, and the remainder at \$1.55 a bushel. What was his gain on the transaction?

33. A grocer bought 46.875 bu. of apples, at \$.88 per bushel, but was obliged to sell .75 of them for .64 of their cost. How much did he receive for what he sold?

34. A owning 345.6 acres of prairie land, sold .6875 of it to B, who sold .625 of his share to C, who sold .64 of what he bought to D, who disposed of his part at \$12.5 an acre. What did he get for it?

35. A church is 85.64 ft. long, 51.28 ft. wide, and 31.5 ft. high to the eaves. Find the cost of painting the outside walls, at \$.25 a square yard.

ANSWERS.

ARTICLE 147.

1.	37.071.	13.	625.	25.	\$1050.
2.	17.7375.	14.	729.06075.	26.	\$183.60
3.	876.	15.	126.	27.	\$1980.
4.	87.91.	16.	2880.	28.	\$58.50.
5.	22.4.	17.	118.9375.	29.	510 mi.
6.	64.	18.	76864.	30.	1228.8 bu.
7.	.11664.	19.	99.84.	31.	\$525.
8.	4.29.	20.	100.	32.	\$960.
9.	1.	21.	\$3840.	33.	\$19.80.
10.	30720.2048.	22.	448.2 mi.	34.	\$1188.
11.	3171.991.	23.	\$125.28.	35.	\$239.61.
12.	6101.08.	24.	\$1162.		