

ARTICLE 150.

Division of Decimals.

Divide

1. 696.6 by 4.3.
2. 190.28 by 6.7.
3. 262.044 by 15.06.
4. 1312.5 by 150.
5. 105.41 by 103.75.
6. .00975 by .0625.
7. 2.9565 by 91.25.
8. 12.05 by .625.
9. 270 by 1.875.
10. 98.4375 by 437.5.
11. 16.625 by 1.064.
12. 192 by .1024.
13. 2.432 by 47.5.
14. Divide 5 hundredths by 16 hundredths.
15. Divide 316 thousandths by 9 and 875 thousandths.
16. Divide 1 by 64 hundredths.
17. Divide 27 and 2 tenths by 10 and 625 thousandths.
18. Divide 832 tenths by 512 hundredths.
19. Divide 10 by 128 millionths.
20. $1.6 \div 6.25 \div .1024 = \text{what?}$
21. $150\frac{8}{20} \div 4\frac{1}{8} = \text{what?}$
22. Paid \$720 for land, at \$37.5 per acre. How many acres did I buy?
23. In what time can a locomotive run 293.7 miles, at the rate of 35.6 miles per hour?
24. A mechanic earned \$45 in 16 days of nine hours each. How much was that per hour?

25. Bought a lot of flour for \$712.8, and sold a part of it at cost for \$490.05. What decimal part of the entire quantity was sold?

26. If a race-track is 1796.875 yds. in length, how long would it require a horse, going at the rate of 11.5 yds. per second to trot around it?

27. Having a quantity of wood, I sold .332 of it for \$199.20, at \$4.8 a cord. How many cords had I at first?

28. If 8.75 tons of anthracite coal cost \$44.8, how many tons could be bought for \$21.76?

29. Paid \$126 for apples at \$2.625 a barrel, and sold .5625 of them for \$85.05. At what price per barrel were they sold?

30. A farmer paid \$3096 for land, at \$96 an acre. If the farm was 82.56 rods long, and rectangular in form, what was its width?

31. Sold .275 of a cask of wine for \$30.80, which was at the rate of \$1.75 a gallon. How many gallons did the cask contain?

32. A man walked 230 miles in eight days. At the same rate how long would it take him to walk 310.5 miles?

33. If 19.2 bu. of wheat are worth 43.2 bu. of corn, how many bushels of wheat should be given in exchange for 99.9 bu. of corn?

34. A is 12.6 miles ahead of B, and travels 3.15 miles per hour, which is .75 of B's rate of traveling. In how many hours will B overtake A?

35. I lent A .36 of my money, and B .75 of the remainder. If B received \$300 more than A, how much money had I at first?

36. A man owning .88 of a tract of land, sold .375 of his share for \$2475. At that rate, what was his remaining interest worth?

37. Express decimally $\frac{4\frac{1}{2}}{6\frac{2}{5}}$ and $\frac{9\frac{3}{8}}{16\frac{2}{8}}$ and divide the former by the latter.

ANSWERS.

ARTICLE 150.

1.	162.	14.	.3125.	26.	156.25 sec.
2.	28.4.	15.	.032.	27.	125 C.
3.	17.4.	16.	1.5625.	28.	4.25 T.
4.	8.75.	17.	2.56.	29.	\$3.15.
5.	1.016.	18.	16.25.	30.	62.5 rods.
6.	.156.	19.	78125.	31.	64 gal.
7.	.0324.	20.	2.5.	32.	10.8 da.
8.	19.28.	21.	36.4.	33.	44.4 bu.
9.	144.	22.	19.2 A.	34.	12 hrs.
10.	.225.	23.	8.25 hrs.	35.	\$2500.
11.	15.625.	24.	\$.3125.	36.	\$4125.
12.	1875.	25.	.6875.	37.	1.25.
13.	.0512.				