

## ARTICLE 143.

### Addition of Decimals.

1. Add 1.1; 2.22; 3.333; 4.4444.
2.  $.3 + .05 + .017 + .2639 + .15625 + .212849 =$  what?
3. Find the sum of 12.25; 21.9; 32.015; 45.0019; 50.05; 89.0336.
4. Add 9 and 34 *thousandths*; 17 and 51 *hundredths*; 18 and 6843 *ten-thousandths*; 23 and 39269 *hundred-thousandths*; 31 and .37901.
5.  $.3 + 1.04 + 2.005 + 3.0006 + 4.00007 + 2.000008 + .0000009 =$  what?
6. Find the sum of 1 and 8 *tenths*; 2 and 85 *hundredths*; 3 and 247 *thousandths*; 4 and 5618 *ten-thousandths*; 5 and 93612 *hundred-thousandths*; and 6 and 605080 *millionths*.
7. Add 8.003; 10.1; 21.000011; 32.0006; 40.0075-001.
8.  $15.08 + 133.375 + 147.4785 + 125.16437 + 272.902132 + 161.1234567 + 100.76543201 + 44.11110929 =$  what?
9. Find the sum of 11 *tenths*; 222 *hundredths*; 3333 *thousandths*; 44444 *ten-thousandths*; 555555 *hundred-thousandths*; 6666666 *millionths*; 77777777 *ten-millionths*; 888888888 *hundred-millionths*; 999999999 *billionths*.
10. Reduce to mixed decimals and add  $7\frac{1}{2} + 8\frac{3}{4} + 9\frac{4}{8} + 10\frac{7}{8} + 11\frac{9}{10} + 12\frac{15}{16} + 13\frac{9}{8} + 14\frac{24}{5} + 15\frac{81}{2}$ .
11. A tract of land was subdivided into lots as follows: 10.1 acres; 15.25 acres; 20.175 acres; 32.2625 acres; 40.08375 acres; and 42.12875 acres. How many acres were there in the entire tract?

12. Six ingots of gold weighed as follows ; 4.1875 lb. ; 4.15625 lb. ; 4.1475 lb. ; 4.1625 lb. ; 4.2225 lb. ; 4.12375 lb. What was the entire weight ?

13. A druggist compounded the following into three-grain pills : 1.225  $\bar{3}$  ; 1.375  $\bar{3}$  ; 1.125  $\bar{3}$  ; 1.625  $\bar{3}$  ; 1.275  $\bar{3}$  ; 1.375  $\bar{3}$ . If he sold the pills at  $2\frac{1}{2}$  cts. each, what did he receive for them ?

14. A steamer crossing the Atlantic in  $7\frac{1}{2}$  days, registered the following distances : 465.16 miles ; 431.928 miles ; 446.7275 miles ; 429.15845 miles ; 455.187625 miles ; 456.315 miles ; 440.21875 miles ; 225.304675 miles. How far did she sail ?

15. Eight loads of wood measured respectively 1.0625 cords ; 1.1375 cords ; 1.1625 cords ; 1.15625 cords ; 1.125 cords ; 1.10875 cords ; 1.175 cords ; 1.0725 cords. If it was sold at \$4.75 a cord, what was received for it ?

16. A gold-miner's monthly gatherings for seven months were as follows ; 20.125 oz. ; 25.1675 oz. ; 22.4375 oz. ; 24.8075 oz. ; 23.1225 oz. ; 19.3375 oz. ; and 15.0025 oz. It was sold at the mint for \$19.20 an ounce. What did he receive for it ?

17. On a tax duplicate for a certain year, eight citizens were charged the following amounts of tax : A, \$12.52932 ; B, \$18.62724 ; C, \$20.58048 ; D, \$23.77236 ; E, \$25.6065 ; F, \$28.32198 ; G, \$29.775 ; and H, \$19.43712. What was the amount of tax charged to them ?

18. Nine farmers raised the following crops of corn : 1031.15625 bu. ; 1103.18375 bu. ; 1027.16125 bu. ; 1100.00625 bu. ; 1172.01875 bu. ; 1205.03125 bu. ; 1134.4425 bu. ; 1175.43625 bu. ; and 1051.56375 bu. They sold it to a speculator for 64 cts. a bushel. What amount did

he pay for the corn?

19. The monthly product of an Anthracite Coal Co. for seven months was as follows: 986.42525 tons; 1029.347 tons; 1056.3985 tons; 1181.73 tons; 964.81275 tons; 1178.9 tons; and 1102.3865 tons. What was the entire product?

20. The floors of a house containing eight rooms measured respectively  $302\frac{1}{2}$  sq. ft.;  $289\frac{3}{4}$  sq. ft.;  $275\frac{2}{5}$  sq. ft.;  $210\frac{5}{8}$  sq. ft.;  $196\frac{9}{10}$  sq. ft.;  $185\frac{9}{16}$  sq. ft.;  $176\frac{23}{40}$  sq. ft.; and 162.6875 square feet. How many square yards of carpeting are required?

## ANSWERS.

### ARTICLE 143.

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|-----------------|------------------|------------------|
| 1. 11.0974.     | 8. 1000.         | 15. \$42.75.     |
| 2. .999999.     | 9. 49.986282579. | 16. \$2880.      |
| 3. 250.2505.    | 10. 106.64125.   | 17. \$178.65.    |
| 4. 100.         | 11. 160 A.       | 18. \$6400.      |
| 5. 12.3456789.  | 12. 25 lb.       | 19. 7500 T       |
| 6. 25.          | 13. \$32.        | 20. 200 sq. yds. |
| 7. III.IIIIIII. | 14. 3350 mi.     |                  |