

## ARTICLE 119.

### Division of Fractions.

1. Divide  $\frac{8}{9}$  by  $\frac{2}{8}$ .
2. Divide  $\frac{2}{5}$  by  $3\frac{1}{8}$ .
3. Divide  $8\frac{1}{8}$  by  $1\frac{5}{2}$ .
4. Divide  $77\frac{7}{9}$  by  $83\frac{1}{8}$ .
5. Divide  $16\frac{1}{5}$  by  $3\frac{8}{8}$ .
6. Divide  $5\frac{1}{5}$  by  $24\frac{7}{10}$ .
7. Divide  $68\frac{8}{4}$  by  $1\frac{7}{8}$ .
8. Divide  $15\frac{1}{2}\frac{6}{5}$  by  $24\frac{8}{5}$ .
9. Divide  $99\frac{9}{10}$  by  $3\frac{1}{4}\frac{8}{5}$ .
10. Divide  $8\frac{1}{11}$  by  $9\frac{8}{16}$ .
11. Divide  $18\frac{3}{9}$  by  $2\frac{1}{8}7$ .
12. Divide  $3\frac{2}{17}$  by  $2\frac{4}{51}$ .
  
13. Divide 500 by  $\frac{4}{8}$ .
14. Divide  $\frac{7}{8}$  by 385.
15. Divide  $481\frac{1}{4}$  by  $137\frac{1}{2}$ .
16. Divide  $\frac{2}{5}$  of  $\frac{7}{8}$  of  $\frac{4}{9}$  of  $2\frac{1}{2}$  by  $\frac{1}{2}\frac{4}{5}$  of  $\frac{5}{16} \times \frac{1}{3}$  of  $7\frac{7}{9}$ .
17. Divide  $6\frac{2}{8} \times 6\frac{8}{4} \times 6\frac{2}{5} \times 6\frac{1}{8}$  by  $10\frac{2}{7} \times 4\frac{1}{15} \times 2\frac{3}{16} \times 1\frac{3}{5}$ .
18. Divide  $\frac{1}{11}$  of  $\frac{6}{7}\frac{4}{5}$  of  $\frac{8}{8}\frac{1}{2}$  of  $66\frac{2}{8}$  by  $\frac{8}{12}\frac{2}{8}$  of  $1\frac{5}{5}\frac{8}{5}$ .
19. Divide  $268\frac{3}{4} \times 444\frac{4}{9}$  by  $1\frac{4}{8}\frac{3}{8}$  of  $383\frac{1}{8}$ .
20. Divide  $226\frac{2}{3} \times 90\frac{1}{11}$  by  $\frac{1}{2}\frac{5}{7}\frac{8}{5}$  of  $3\frac{1}{2}\frac{9}{7}$ .
21. Divide  $55\frac{5}{9} \times \frac{1}{8}\frac{9}{2}\frac{8}{5}$  by  $83\frac{1}{3} \times 15\frac{2}{2}\frac{1}{5}$ .

22. If 15 men share  $\$238\frac{1}{2}$  equally, what will each receive?

23. How many oranges, at  $3\frac{1}{8}$  cts. each, can be bought for 90 cts.?

24. When flour is  $\$6\frac{1}{4}$  a barrel, what part of a barrel will cost  $\$3\frac{3}{4}$ ?

25. How much sugar, at  $6\frac{3}{4}$  cts. a pound, can be bought for 81 cts.?

26. If a pigeon fly  $166\frac{2}{3}$  miles in  $12\frac{1}{2}$  hours, what is the rate per hour?

27. In how many days can a laborer earn  $\$20\frac{1}{4}$  at  $\$1\frac{4}{5}$  per day?

28. At  $\$68\frac{4}{5}$  per acre, how many acres can be purchased for  $\$1290$ ?

29. By what must  $133\frac{1}{8}$  be multiplied that the product shall be  $222\frac{2}{3}$ ?

30. If  $93\frac{1}{8}$  rods of fence cost  $\$100\frac{4}{5}$ , what was the cost per rod.

31. How many cords of wood can a laborer cut in a day, if he can cut  $62\frac{1}{2}$  cords in  $33\frac{1}{8}$  days?

32.  $\$163\frac{2}{5}$  was paid for hay, at  $\$12\frac{4}{5}$  a ton. How many tons were bought?

33. A man owning  $93\frac{3}{4}$  acres of land, sold  $\frac{9}{20}$  of it for  $\$2733\frac{3}{4}$ . What was the price per acre?

34. If  $3\frac{3}{8}$  yds. of cloth cost  $\$8\frac{1}{10}$ , how many yards can be bought for  $\$63\frac{3}{5}$ ?

35. If a man can build  $25\frac{2}{5}$  rods of fence in  $5\frac{7}{9}$  days, how many rods can he build in  $8\frac{1}{3}$  days?

36. A plows  $7\frac{1}{2}$  acres while B plows  $6\frac{3}{5}$  acres. How many acres will B have finished when A has plowed  $27\frac{1}{2}$  acres.

37. If  $5\frac{5}{8}$  bu. of apples produce  $13\frac{1}{2}$  gal. of cider, how many bushels will yield 100 gal.?

38.  $\$57\frac{3}{4}$  was paid for  $10\frac{1}{2}$  cords of wood. At the same rate how many cords would cost  $\$700\frac{7}{10}$ ?

39. If an engine can saw  $2\frac{2}{3}$  ft. of logs in a minute, what time would it require to saw 75 logs, each  $25\frac{3}{8}$  ft. long?

40. A farmer raised  $31\frac{1}{2}$  tons of hay on  $16\frac{4}{5}$  acres. At the same rate how many acres should yield  $93\frac{3}{4}$  tons?

41. If a man can do  $\frac{1}{2}$  of a piece of work in  $9\frac{9}{10}$  days, what part of it can he do in  $13\frac{3}{4}$  days?

42. 5 men can do a piece of work in  $34\frac{7}{8}$  days. How many can do the same work in  $9\frac{1}{8}$  days?

# ANSWERS.

## ARTICLE 119.

- |     |                 |     |                    |     |                     |     |                      |
|-----|-----------------|-----|--------------------|-----|---------------------|-----|----------------------|
| 1.  | $1\frac{1}{8}$  | 12. | $1\frac{1}{2}$     | 23. | 27 or.              | 33. | $\$64\frac{4}{5}$    |
| 2.  | $1\frac{6}{25}$ | 13. | 1125.              | 24. | $\frac{3}{5}$ bl.   | 34. | $26\frac{1}{2}$ yds. |
| 3.  | 20.             | 14. | $\frac{1}{440}$    | 25. | 12 lb.              | 35. | $36\frac{1}{4}$ rds. |
| 4.  | $1\frac{4}{5}$  | 15. | $3\frac{1}{2}$     | 26. | $13\frac{1}{8}$ mi. | 36. | $24\frac{1}{5}$ A.   |
| 5.  | $4\frac{4}{5}$  | 16. | 1.                 | 27. | $11\frac{1}{4}$ da. | 37. | $41\frac{2}{8}$ bu.  |
| 6.  | $\frac{8}{89}$  | 17. | 10.                | 28. | $18\frac{3}{4}$ A.  | 38. | $127\frac{2}{5}$ C.  |
| 7.  | $49\frac{1}{2}$ | 18. | 100.               | 29. | $1\frac{2}{8}$      | 39. | 12 hrs.              |
| 8.  | $\frac{51}{80}$ | 19. | 1000.              | 30. | $\$1\frac{2}{5}$    | 40. | 50 A.                |
| 9.  | $30\frac{3}{8}$ | 20. | 10000.             | 31. | $1\frac{7}{8}$ C.   | 41. | $\frac{2}{8}$ of it. |
| 0.  | $\frac{32}{88}$ | 21. | $\frac{1}{75}$     | 32. | $12\frac{4}{8}$ T.  | 42. | 18 men.              |
| 11. | 9.              | 22. | $\$15\frac{9}{10}$ |     |                     |     |                      |