FRACTIONS.

19. A yacht worth \$900 and insured for \$540 is lost; $\frac{1}{8}$ of the yacht belonged to A, $\frac{1}{4}$ to B and the rest to C. How much did C lose ?

20. Add $23\frac{5}{8}$, $\frac{7\frac{3}{4}}{\frac{4}{4}}$ and $\frac{5}{7}$ of $3\frac{1}{2}$.

21. Find the difference between the sum and the product of $\frac{5}{8}$, $\frac{7}{10}$ and $\frac{8}{13}$.

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22. If a certain number were added to $\frac{3}{4}$ of $12\frac{1}{8}$, the result would be equal to $\frac{1}{8}$ of $50\frac{1}{2}$; find the number.

23. Multiply the sum of $\frac{2}{3}$, $\frac{1}{6}$, $\frac{5}{8}$, $\frac{7}{10}$ and $\frac{11}{12}$ by the difference between $1\frac{2}{3}$ and $4\frac{1}{2}$; and divide the product by $\frac{3\frac{4}{5}}{2\frac{3}{4}}$

24. Which is greater, $\frac{7}{12}$ of $7\frac{1}{8}$ or $\frac{5}{9}$ of $8\frac{3}{10}$, and by how much?

25. Which is greater, $\frac{3\frac{1}{2}}{\frac{5}{2}}$ or $\frac{7\frac{2}{3}}{1\frac{3}{4}}$ and by how much?

26. Divide the sum of $1\frac{1}{26}$ and $\frac{1}{1\frac{1}{4}}$ by their difference.

27. Multiply the sum of $\frac{4}{5}$, $\frac{5}{6}$, $\frac{3}{8}$ and $\frac{9}{10}$ by the difference between $\frac{1}{12}$ and $\frac{1}{3}$, and divide the product by $\frac{2}{3}$ of $\frac{1}{13}$ of $8\frac{3}{4}$.

28. What is the smallest increment which will convert $\frac{15}{16} + 11\frac{7}{12} + \frac{93}{15}$ into an integer ?

29. Find the product of two numbers whose sum is $19_{\overline{12}}$ and difference $3\frac{1}{5}$.

30. Find two numbers whose sum and difference are $5\frac{2}{13}$ and $1\frac{15}{15}$ respectively; and divide the greater by the less.

31. If $\frac{2}{3}$ is worth \$270, what is the value of $\frac{3}{11}$?

32. If 3 be added to each term of the fraction $\frac{4}{5}$, is its value increased or diminished ? by how much ?