*Ф.И.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_ \_\_ класс \_\_\_\_*

*Применение распределительного свойства умножения*

1.Применяя распределительное свойство умножения, запишите результаты; промежуточные вычисления выполняйте устно.

 $\left(\frac{1}{2}+1\right)×4=$\_\_\_\_\_ $\left(8+4\right)×\frac{1}{4} $=\_\_\_\_\_\_\_

 $\left(7-\frac{2}{5}\right)×5=\\_\\_\\_\\_\\_\\_$ $\left(6-\frac{2}{3}\right)×\frac{1}{2}$ =\_\_\_\_\_\_\_\_

 $\left(\frac{1}{3}+\frac{1}{4}\right)×12=\\_\\_\\_\\_\\_\\_$ $\left(\frac{1}{5}+1\right)×\frac{5}{6}$ = \_\_\_\_\_\_\_\_\_

 $\left(\frac{5}{6}-\frac{1}{8}\right)×24$ = \_\_\_\_\_ $\left(\frac{7}{10}-\frac{3}{5}\right)×\frac{1}{2}$ = \_\_\_\_\_\_\_\_\_

2. Выполните умножение запишите результаты.

 5$\frac{1}{3}×9=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 500$\frac{6}{7}×7=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 11$\frac{1}{3}×\frac{1}{11}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 4$×1\frac{1}{2}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 8$×1\frac{1}{9}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 100$\frac{1}{5}×\frac{1}{20}$ =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 10$\frac{3}{5 }×10=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 2$\frac{1}{2}×3=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 16$\frac{1}{4}×\frac{1}{8}=$\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Ф.И.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ класс \_\_\_\_

*Взаимно обратные числа Вариант№1*

 1.В нижней строке таблицы запишите числа, обратные данным.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $$\frac{1}{2}$$ | $$\frac{3}{5}$$ | $$\frac{4}{3}$$ | $$\frac{5}{12}$$ | $$\frac{16}{7}$$ | $$\frac{1}{100}$$ | 20 | 500 | $$2\frac{6}{7}$$ | $$5\frac{1}{10}$$ | $$4\frac{3}{4}$$ |
|  |  |  |  |  |  |  |  |  |  |  |

2. Проверьте являются ли взаимно обратными числа:

а)$ \frac{5}{100} и 20$ \_\_\_\_\_\_\_ б) 0,2 и 2 \_\_\_\_\_\_\_ в) $2\frac{2}{3} и \frac{3}{2}$ \_\_\_\_\_\_\_\_ г) 0,75 и $1\frac{1}{3}$\_\_\_\_\_\_

3. Решите уравнение, используя определение взаимно обратных чисел.

а) $\frac{4}{5}х=1$\_\_\_\_\_\_\_\_\_ б) $\frac{8}{9}у=1$\_\_\_\_\_\_\_\_ в) 10 а=1\_\_\_\_\_\_\_\_\_ г) $\frac{1}{200}х=1$ \_\_\_\_\_\_\_\_\_

4.Придумайте и запишите три пары взаимно обратных чисел

а) \_\_\_\_\_\_\_\_\_ и\_\_\_\_\_\_\_\_ б) \_\_\_\_\_\_\_\_ и\_\_\_\_\_\_\_ в) \_\_\_\_\_\_\_\_ и\_\_\_\_\_\_\_\_\_

5. Упростите выражение:

 $\left(а∙\frac{7}{10}\right)∙\frac{10}{7}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ $16а∙\frac{1}{16}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 $3\frac{1}{4}у∙\frac{4}{13}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ $\frac{1}{20}∙20k$= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Ф.И.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ класс \_\_\_\_

*Взаимно обратные числа Вариант№2*

 1.В нижней строке таблицы запишите числа, обратные данным.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $$\frac{1}{3}$$ | $$\frac{4}{7}$$ | $$\frac{5}{2}$$ | $$\frac{5}{13}$$ | $$\frac{17}{6}$$ | $$\frac{1}{1000}$$ | 30 | 400 | $$3\frac{7}{8}$$ | $$7\frac{1}{20}$$ | $$3\frac{2}{3}$$ |
|  |  |  |  |  |  |  |  |  |  |  |

2. Проверьте являются ли взаимно обратными числа:

а)$ \frac{4}{100} и 25$ \_\_\_\_\_\_\_ б) 0,5 и 5 \_\_\_\_\_\_\_ в) $1\frac{2}{3} и \frac{3}{5}$ \_\_\_\_\_\_\_\_ г) 0,25 и 4\_\_\_\_\_\_

3. Решите уравнение, используя определение взаимно обратных чисел.

а) $\frac{47}{51}х=1$\_\_\_\_\_\_\_\_\_ б) $1\frac{8}{9}у=1$\_\_\_\_\_\_\_\_ в) 30 а=1\_\_\_\_\_\_\_\_\_ г) $\frac{1}{10}х=1$ \_\_\_\_\_\_\_\_\_

4.Придумайте и запишите три пары взаимно обратных чисел

а) \_\_\_\_\_\_\_\_\_ и\_\_\_\_\_\_\_\_ б) \_\_\_\_\_\_\_\_ и\_\_\_\_\_\_\_ в) \_\_\_\_\_\_\_\_ и\_\_\_\_\_\_\_\_\_

5. Упростите выражение:

 $\left(а∙\frac{5}{12}\right)∙\frac{12}{5}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ $17а∙\frac{1}{17}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 $3\frac{1}{5}у∙\frac{5}{16}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ $\frac{1}{101}∙101k$= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_