



PERIMETER SCHOOL
A Covenant Christian Community

Rising Sixth Grade Summer Math Assignment

Knowing that students can lose some of their math skills and concepts over the summer, we have a math portion of our *Perimeter School Summer Assignments*, which students will be expected to complete and turn in when they return to school in the fall.

1. Students should complete the attached printed math sheets. These will also be available on the school website along with other grade level information and other summer assignments.
2. Students should check their answers using **a different colored pen** and write the number of problems correct over the total number of problems at the top of the page. Answer keys are provided. (You may complete this process as many times as you like.)
3. Students should submit **all** completed work stapled to this sheet (with the **student's name** and a **parent's signature**) on **the first day of school - Monday, August 14.**

This will be counted as a homework grade.

****Late submissions will not be accepted. ****

ASSIGNED MATH:

- Adding and Subtracting Fractions
- Adding and Subtracting Decimals
- Dividing Fractions
- Division Drills (Mixed)
- Finding Greatest Common Factor
- Multiplication (Vertical)
- Solving with Parenthesis
- Vertical Division

OPTIONAL MATH ACTIVITIES:

Students' unfinished math workbooks will be sent home, which they can complete for optional work. This is not required work but would be helpful for next year.

Student's Name _____

Parent's Signature _____



Solve each problem.

1) $\frac{4}{5} - \frac{1}{2} =$

2) $\frac{5}{6} + \frac{3}{10} =$

3) $\frac{4}{8} - \frac{2}{10} =$

4) $\frac{3}{4} + \frac{7}{10} =$

5) $\frac{1}{4} - \frac{2}{10} =$

6) $\frac{3}{5} + \frac{7}{12} =$

7) $\frac{3}{8} - \frac{1}{10} =$

8) $\frac{5}{6} + \frac{3}{5} =$

9) $\frac{1}{2} - \frac{1}{6} =$

10) $\frac{3}{5} + \frac{1}{2} =$

11) $\frac{9}{10} - \frac{3}{4} =$

12) $\frac{4}{8} + \frac{1}{10} =$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Solve each problem.

$$\begin{array}{r} 1) \quad 95 \\ - 28.69 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 63.7 \\ - 62.04 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 59 \\ - 4.822 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 9 \\ - 1.7 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 74 \\ - 27.205 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 12 \\ + 9.8 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 22.3 \\ + 2.67 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 95 \\ + 77.51 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 71 \\ + 66.7 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 4 \\ + 2.8 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 25.78 \\ + 14.006 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 12.32 \\ + 11.501 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 14 \\ - 7.5 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 62 \\ - 43.89 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 6.1 \\ - 5.092 \\ \hline \end{array}$$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____



Solve each problem.

1) $\frac{1}{5} \div \frac{2}{3} =$

2) $\frac{11}{3} \div 5\frac{1}{4} =$

3) $\frac{23}{3} \div \frac{25}{4} =$

4) $7\frac{1}{2} \div \frac{21}{4} =$

5) $8\frac{2}{3} \div \frac{27}{4} =$

6) $\frac{18}{4} \div \frac{17}{2} =$

7) $8\frac{2}{4} \div 3\frac{1}{2} =$

8) $\frac{29}{4} \div \frac{16}{3} =$

9) $\frac{3}{5} \div \frac{1}{2} =$

10) $4\frac{3}{5} \div \frac{9}{4} =$

11) $\frac{22}{3} \div 7\frac{1}{2} =$

12) $8\frac{1}{2} \div 7\frac{3}{4} =$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Fill in the blanks for each problem.

$11 \div 1 = \underline{\hspace{2cm}}$

$36 \div 6 = \underline{\hspace{2cm}}$

$5 \div 1 = \underline{\hspace{2cm}}$

$3 \div 3 = \underline{\hspace{2cm}}$

$72 \div 9 = \underline{\hspace{2cm}}$

$40 \div 5 = \underline{\hspace{2cm}}$

$24 \div 6 = \underline{\hspace{2cm}}$

$7 \div 1 = \underline{\hspace{2cm}}$

$63 \div 9 = \underline{\hspace{2cm}}$

$56 \div 7 = \underline{\hspace{2cm}}$

$21 \div 3 = \underline{\hspace{2cm}}$

$2 \div 1 = \underline{\hspace{2cm}}$

$24 \div 3 = \underline{\hspace{2cm}}$

$50 \div 5 = \underline{\hspace{2cm}}$

$12 \div 4 = \underline{\hspace{2cm}}$

$110 \div 11 = \underline{\hspace{2cm}}$

$44 \div 4 = \underline{\hspace{2cm}}$

$6 \div 3 = \underline{\hspace{2cm}}$

$108 \div 9 = \underline{\hspace{2cm}}$

$16 \div 2 = \underline{\hspace{2cm}}$

$90 \div 9 = \underline{\hspace{2cm}}$

$18 \div 9 = \underline{\hspace{2cm}}$

$8 \div 8 = \underline{\hspace{2cm}}$

$12 \div 1 = \underline{\hspace{2cm}}$

$48 \div 4 = \underline{\hspace{2cm}}$

$22 \div 2 = \underline{\hspace{2cm}}$

$36 \div 9 = \underline{\hspace{2cm}}$

$90 \div 9 = \underline{\hspace{2cm}}$

$10 \div 1 = \underline{\hspace{2cm}}$

$4 \div 4 = \underline{\hspace{2cm}}$

$30 \div 6 = \underline{\hspace{2cm}}$

$18 \div 3 = \underline{\hspace{2cm}}$

$27 \div 3 = \underline{\hspace{2cm}}$

$88 \div 8 = \underline{\hspace{2cm}}$

$35 \div 5 = \underline{\hspace{2cm}}$

$20 \div 2 = \underline{\hspace{2cm}}$

$40 \div 4 = \underline{\hspace{2cm}}$

$72 \div 6 = \underline{\hspace{2cm}}$

$70 \div 7 = \underline{\hspace{2cm}}$

$10 \div 5 = \underline{\hspace{2cm}}$

$96 \div 8 = \underline{\hspace{2cm}}$

$32 \div 8 = \underline{\hspace{2cm}}$

$30 \div 5 = \underline{\hspace{2cm}}$

$33 \div 3 = \underline{\hspace{2cm}}$

$15 \div 3 = \underline{\hspace{2cm}}$

$84 \div 7 = \underline{\hspace{2cm}}$

$15 \div 3 = \underline{\hspace{2cm}}$

$49 \div 7 = \underline{\hspace{2cm}}$

$24 \div 2 = \underline{\hspace{2cm}}$

$64 \div 8 = \underline{\hspace{2cm}}$

$6 \div 6 = \underline{\hspace{2cm}}$

$66 \div 6 = \underline{\hspace{2cm}}$

$60 \div 6 = \underline{\hspace{2cm}}$

$80 \div 8 = \underline{\hspace{2cm}}$

$36 \div 9 = \underline{\hspace{2cm}}$

$12 \div 6 = \underline{\hspace{2cm}}$

$72 \div 9 = \underline{\hspace{2cm}}$

$27 \div 9 = \underline{\hspace{2cm}}$

$100 \div 10 = \underline{\hspace{2cm}}$

$9 \div 3 = \underline{\hspace{2cm}}$

$42 \div 7 = \underline{\hspace{2cm}}$

$7 \div 7 = \underline{\hspace{2cm}}$

$18 \div 2 = \underline{\hspace{2cm}}$

$24 \div 8 = \underline{\hspace{2cm}}$

$6 \div 3 = \underline{\hspace{2cm}}$

$54 \div 9 = \underline{\hspace{2cm}}$

$40 \div 4 = \underline{\hspace{2cm}}$

$24 \div 4 = \underline{\hspace{2cm}}$

$10 \div 1 = \underline{\hspace{2cm}}$

$4 \div 2 = \underline{\hspace{2cm}}$

$8 \div 2 = \underline{\hspace{2cm}}$

$30 \div 3 = \underline{\hspace{2cm}}$

$56 \div 7 = \underline{\hspace{2cm}}$

$25 \div 5 = \underline{\hspace{2cm}}$

$40 \div 8 = \underline{\hspace{2cm}}$

$14 \div 2 = \underline{\hspace{2cm}}$

$4 \div 1 = \underline{\hspace{2cm}}$

$81 \div 9 = \underline{\hspace{2cm}}$

$55 \div 5 = \underline{\hspace{2cm}}$

$20 \div 4 = \underline{\hspace{2cm}}$

$14 \div 2 = \underline{\hspace{2cm}}$

$18 \div 3 = \underline{\hspace{2cm}}$

$3 \div 1 = \underline{\hspace{2cm}}$

$16 \div 8 = \underline{\hspace{2cm}}$

$1 \div 1 = \underline{\hspace{2cm}}$

$36 \div 3 = \underline{\hspace{2cm}}$

$28 \div 4 = \underline{\hspace{2cm}}$

$63 \div 7 = \underline{\hspace{2cm}}$

$2 \div 2 = \underline{\hspace{2cm}}$

$10 \div 5 = \underline{\hspace{2cm}}$

$12 \div 6 = \underline{\hspace{2cm}}$

$50 \div 5 = \underline{\hspace{2cm}}$

$12 \div 3 = \underline{\hspace{2cm}}$

$70 \div 7 = \underline{\hspace{2cm}}$

$16 \div 4 = \underline{\hspace{2cm}}$

$20 \div 2 = \underline{\hspace{2cm}}$

$9 \div 9 = \underline{\hspace{2cm}}$

$80 \div 8 = \underline{\hspace{2cm}}$

$35 \div 7 = \underline{\hspace{2cm}}$

$45 \div 9 = \underline{\hspace{2cm}}$



Determine the greatest common factor (GCF) of each set of numbers.

Answers

To find the GCF of 12 & 16, first write down the factors of each number.

Factors of 12 1 , 2 , 3 , 4 , 6 , 12

Factors of 16 1 , 2 , 4 , 8 , 16

2 & 4 are factors both 12 and 16 have in common, with 4 being the greatest. So 4 is the GCF.

1) 33 , 24

Factors of 33 _____ , _____ , _____ , _____

Factors of 24 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

2) 6 , 33

Factors of 6 _____ , _____ , _____ , _____

Factors of 33 _____ , _____ , _____ , _____

3) 33 , 8

Factors of 33 _____ , _____ , _____ , _____

Factors of 8 _____ , _____ , _____ , _____

4) 16 , 12

Factors of 16 _____ , _____ , _____ , _____ , _____

Factors of 12 _____ , _____ , _____ , _____ , _____ , _____

5) 24 , 14

Factors of 24 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

Factors of 14 _____ , _____ , _____ , _____

6) 28 , 22

Factors of 28 _____ , _____ , _____ , _____ , _____ , _____

Factors of 22 _____ , _____ , _____ , _____

7) 12 , 6

Factors of 12 _____ , _____ , _____ , _____ , _____ , _____

Factors of 6 _____ , _____ , _____ , _____

8) 30 , 12

Factors of 30 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

Factors of 12 _____ , _____ , _____ , _____ , _____ , _____

9) 21 , 39

Factors of 21 _____ , _____ , _____ , _____

Factors of 39 _____ , _____ , _____ , _____

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____



Solve each problem.

$$\begin{array}{r} 1) \quad 9,223 \\ \times \quad 12 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 6,937 \\ \times \quad 54 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 6,835 \\ \times \quad 43 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 1,241 \\ \times \quad 98 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 8,578 \\ \times \quad 70 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 4,236 \\ \times \quad 60 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 3,935 \\ \times \quad 72 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 4,400 \\ \times \quad 77 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 9,653 \\ \times \quad 16 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 5,460 \\ \times \quad 17 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 3,962 \\ \times \quad 12 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 2,293 \\ \times \quad 91 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 6,465 \\ \times \quad 63 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 6,000 \\ \times \quad 97 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 7,471 \\ \times \quad 19 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 4,750 \\ \times \quad 44 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 6,207 \\ \times \quad 55 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 2,018 \\ \times \quad 54 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 4,263 \\ \times \quad 27 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 4,835 \\ \times \quad 13 \\ \hline \end{array}$$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____



Solve each problem.

1) $(45 \div 5) + 10 =$

2) $(2 \times 9) - 2 =$

3) $(3 \times 10) + 5 =$

4) $(40 - 24) \div 8 =$

5) $(50 - 30) \div 10 =$

6) $(16 - 8) \div 4 =$

7) $(7 - 5) + 8 =$

8) $(9 \times 5) - 8 =$

9) $(20 \div 2) \times 4 =$

10) $(16 + 24) \div 8 =$

11) $(2 \times 6) + 9 =$

12) $(8 \times 12) \div 4 =$

13) $(21 \div 3) - 7 =$

14) $(4 + 6) \div 2 =$

15) $(16 \div 4) + 6 =$

16) $(10 - 3) + 2 =$

17) $(63 \div 9) \times 7 =$

18) $(3 + 4) \times 6 =$

19) $(9 + 4) \times 8 =$

20) $(18 + 18) \div 6 =$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____



Solve each problem.

1) $35 \overline{) 8956}$

2) $41 \overline{) 8062}$

3) $35 \overline{) 6501}$

4) $77 \overline{) 9702}$

5) $62 \overline{) 8928}$

6) $68 \overline{) 6366}$

7) $60 \overline{) 3300}$

8) $39 \overline{) 8156}$

9) $31 \overline{) 2170}$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____



Solve each problem.

1) $\frac{4}{5} - \frac{1}{2} =$

$$\frac{8}{10} - \frac{5}{10} = \frac{3}{10}$$

2) $\frac{5}{6} + \frac{3}{10} =$

$$\frac{25}{30} + \frac{9}{30} = \frac{34}{30}$$

3) $\frac{4}{8} - \frac{2}{10} =$

$$\frac{20}{40} - \frac{8}{40} = \frac{12}{40}$$

4) $\frac{3}{4} + \frac{7}{10} =$

$$\frac{15}{20} + \frac{14}{20} = \frac{29}{20}$$

5) $\frac{1}{4} - \frac{2}{10} =$

$$\frac{5}{20} - \frac{4}{20} = \frac{1}{20}$$

6) $\frac{3}{5} + \frac{7}{12} =$

$$\frac{36}{60} + \frac{35}{60} = \frac{71}{60}$$

7) $\frac{3}{8} - \frac{1}{10} =$

$$\frac{15}{40} - \frac{4}{40} = \frac{11}{40}$$

8) $\frac{5}{6} + \frac{3}{5} =$

$$\frac{25}{30} + \frac{18}{30} = \frac{43}{30}$$

9) $\frac{1}{2} - \frac{1}{6} =$

$$\frac{3}{6} - \frac{1}{6} = \frac{2}{6}$$

10) $\frac{3}{5} + \frac{1}{2} =$

$$\frac{6}{10} + \frac{5}{10} = \frac{11}{10}$$

11) $\frac{9}{10} - \frac{3}{4} =$

$$\frac{18}{20} - \frac{15}{20} = \frac{3}{20}$$

12) $\frac{4}{8} + \frac{1}{10} =$

$$\frac{20}{40} + \frac{4}{40} = \frac{24}{40}$$

Answers

1. $\frac{3}{10}$

2. $1\frac{4}{30}$

3. $\frac{12}{40}$

4. $1\frac{9}{20}$

5. $\frac{1}{20}$

6. $1\frac{11}{60}$

7. $\frac{11}{40}$

8. $1\frac{13}{30}$

9. $\frac{2}{6}$

10. $1\frac{1}{10}$

11. $\frac{3}{20}$

12. $\frac{24}{40}$



Solve each problem.

$$\begin{array}{r} 1) \quad 95.00 \\ - 28.69 \\ \hline 66.31 \end{array}$$

$$\begin{array}{r} 2) \quad 63.70 \\ - 62.04 \\ \hline 1.66 \end{array}$$

$$\begin{array}{r} 3) \quad 59.000 \\ - 4.822 \\ \hline 54.178 \end{array}$$

$$\begin{array}{r} 4) \quad 9.0 \\ - 1.7 \\ \hline 7.3 \end{array}$$

$$\begin{array}{r} 5) \quad 74.000 \\ - 27.205 \\ \hline 46.795 \end{array}$$

$$\begin{array}{r} 6) \quad 12.0 \\ + 9.8 \\ \hline 21.8 \end{array}$$

$$\begin{array}{r} 7) \quad 22.30 \\ + 2.67 \\ \hline 24.97 \end{array}$$

$$\begin{array}{r} 8) \quad 95.00 \\ + 77.51 \\ \hline 172.51 \end{array}$$

$$\begin{array}{r} 9) \quad 71.0 \\ + 66.7 \\ \hline 137.7 \end{array}$$

$$\begin{array}{r} 10) \quad 4.0 \\ + 2.8 \\ \hline 6.8 \end{array}$$

$$\begin{array}{r} 11) \quad 25.780 \\ + 14.006 \\ \hline 39.786 \end{array}$$

$$\begin{array}{r} 12) \quad 12.320 \\ + 11.501 \\ \hline 23.821 \end{array}$$

$$\begin{array}{r} 13) \quad 14.0 \\ - 7.5 \\ \hline 6.5 \end{array}$$

$$\begin{array}{r} 14) \quad 62.00 \\ - 43.89 \\ \hline 18.11 \end{array}$$

$$\begin{array}{r} 15) \quad 6.100 \\ - 5.092 \\ \hline 1.008 \end{array}$$

Answers

1. 66.31

2. 1.66

3. 54.178

4. 7.3

5. 46.795

6. 21.8

7. 24.97

8. 172.51

9. 137.7

10. 6.8

11. 39.786

12. 23.821

13. 6.5

14. 18.11

15. 1.008



Solve each problem.

1) $\frac{1}{5} \div \frac{2}{3} = \frac{3}{10}$

$\frac{1}{5} \times \frac{3}{2} = \frac{3}{10}$

2) $\frac{11}{3} \div 5\frac{1}{4} = \frac{44}{63}$

$\frac{11}{3} \times \frac{4}{21} = \frac{44}{63}$

3) $\frac{23}{3} \div \frac{25}{4} = \frac{92}{75}$

$\frac{23}{3} \times \frac{4}{25} = \frac{92}{75}$

4) $7\frac{1}{2} \div \frac{21}{4} = \frac{60}{42}$

$\frac{15}{2} \times \frac{4}{21} = \frac{60}{42}$

5) $8\frac{2}{3} \div \frac{27}{4} = \frac{104}{81}$

$\frac{26}{3} \times \frac{4}{27} = \frac{104}{81}$

6) $\frac{18}{4} \div \frac{17}{2} = \frac{36}{68}$

$\frac{18}{4} \times \frac{2}{17} = \frac{36}{68}$

7) $8\frac{2}{4} \div 3\frac{1}{2} = \frac{68}{28}$

$\frac{34}{4} \times \frac{2}{7} = \frac{68}{28}$

8) $\frac{29}{4} \div \frac{16}{3} = \frac{87}{64}$

$\frac{29}{4} \times \frac{3}{16} = \frac{87}{64}$

9) $\frac{3}{5} \div \frac{1}{2} = \frac{6}{5}$

$\frac{3}{5} \times \frac{2}{1} = \frac{6}{5}$

10) $4\frac{3}{5} \div \frac{9}{4} = \frac{92}{45}$

$\frac{23}{5} \times \frac{4}{9} = \frac{92}{45}$

11) $\frac{22}{3} \div 7\frac{1}{2} = \frac{44}{45}$

$\frac{22}{3} \times \frac{2}{15} = \frac{44}{45}$

12) $8\frac{1}{2} \div 7\frac{3}{4} = \frac{68}{62}$

$\frac{17}{2} \times \frac{4}{31} = \frac{68}{62}$

Answers

1. $\frac{3}{10}$

2. $\frac{44}{63}$

3. $1\frac{17}{75}$

4. $1\frac{18}{42} = 1\frac{3}{7}$

5. $1\frac{23}{81}$

6. $\frac{36}{68} = \frac{9}{17}$

7. $2\frac{12}{28} = 2\frac{3}{7}$

8. $1\frac{23}{64}$

9. $1\frac{1}{5}$

10. $2\frac{2}{45}$

11. $\frac{44}{45}$

12. $1\frac{6}{62} = 1\frac{3}{31}$



Fill in the blanks for each problem.

$11 \div 1 = \underline{11}$

$36 \div 6 = \underline{6}$

$5 \div 1 = \underline{5}$

$3 \div 3 = \underline{1}$

$72 \div 9 = \underline{8}$

$40 \div 5 = \underline{8}$

$24 \div 6 = \underline{4}$

$7 \div 1 = \underline{7}$

$63 \div 9 = \underline{7}$

$56 \div 7 = \underline{8}$

$21 \div 3 = \underline{7}$

$2 \div 1 = \underline{2}$

$24 \div 3 = \underline{8}$

$50 \div 5 = \underline{10}$

$12 \div 4 = \underline{3}$

$110 \div 11 = \underline{10}$

$44 \div 4 = \underline{11}$

$6 \div 3 = \underline{2}$

$108 \div 9 = \underline{12}$

$16 \div 2 = \underline{8}$

$90 \div 9 = \underline{10}$

$18 \div 9 = \underline{2}$

$8 \div 8 = \underline{1}$

$12 \div 1 = \underline{12}$

$48 \div 4 = \underline{12}$

$22 \div 2 = \underline{11}$

$36 \div 9 = \underline{4}$

$90 \div 9 = \underline{10}$

$10 \div 1 = \underline{10}$

$4 \div 4 = \underline{1}$

$30 \div 6 = \underline{5}$

$18 \div 3 = \underline{6}$

$27 \div 3 = \underline{9}$

$88 \div 8 = \underline{11}$

$35 \div 5 = \underline{7}$

$20 \div 2 = \underline{10}$

$40 \div 4 = \underline{10}$

$72 \div 6 = \underline{12}$

$70 \div 7 = \underline{10}$

$10 \div 5 = \underline{2}$

$96 \div 8 = \underline{12}$

$32 \div 8 = \underline{4}$

$30 \div 5 = \underline{6}$

$33 \div 3 = \underline{11}$

$15 \div 3 = \underline{5}$

$84 \div 7 = \underline{12}$

$15 \div 3 = \underline{5}$

$49 \div 7 = \underline{7}$

$24 \div 2 = \underline{12}$

$64 \div 8 = \underline{8}$

$6 \div 6 = \underline{1}$

$66 \div 6 = \underline{11}$

$60 \div 6 = \underline{10}$

$80 \div 8 = \underline{10}$

$36 \div 9 = \underline{4}$

$12 \div 6 = \underline{2}$

$72 \div 9 = \underline{8}$

$27 \div 9 = \underline{3}$

$100 \div 10 = \underline{10}$

$9 \div 3 = \underline{3}$

$42 \div 7 = \underline{6}$

$7 \div 7 = \underline{1}$

$18 \div 2 = \underline{9}$

$24 \div 8 = \underline{3}$

$6 \div 3 = \underline{2}$

$54 \div 9 = \underline{6}$

$40 \div 4 = \underline{10}$

$24 \div 4 = \underline{6}$

$10 \div 1 = \underline{10}$

$4 \div 2 = \underline{2}$

$8 \div 2 = \underline{4}$

$30 \div 3 = \underline{10}$

$56 \div 7 = \underline{8}$

$25 \div 5 = \underline{5}$

$40 \div 8 = \underline{5}$

$14 \div 2 = \underline{7}$

$4 \div 1 = \underline{4}$

$81 \div 9 = \underline{9}$

$55 \div 5 = \underline{11}$

$20 \div 4 = \underline{5}$

$14 \div 2 = \underline{7}$

$18 \div 3 = \underline{6}$

$3 \div 1 = \underline{3}$

$16 \div 8 = \underline{2}$

$1 \div 1 = \underline{1}$

$36 \div 3 = \underline{12}$

$28 \div 4 = \underline{7}$

$63 \div 7 = \underline{9}$

$2 \div 2 = \underline{1}$

$10 \div 5 = \underline{2}$

$12 \div 6 = \underline{2}$

$50 \div 5 = \underline{10}$

$12 \div 3 = \underline{4}$

$70 \div 7 = \underline{10}$

$16 \div 4 = \underline{4}$

$20 \div 2 = \underline{10}$

$9 \div 9 = \underline{1}$

$80 \div 8 = \underline{10}$

$35 \div 7 = \underline{5}$

$45 \div 9 = \underline{5}$



Determine the greatest common factor (GCF) of each set of numbers.

To find the GCF of 12 & 16, first write down the factors of each number.

Factors of 12 1 , 2 , 3 , 4 , 6 , 12

Factors of 16 1 , 2 , 4 , 8 , 16

2 & 4 are factors both 12 and 16 have in common, with 4 being the greatest. So 4 is the GCF.

Answers

1) 33 , 24

Factors of 33 1 , 3 , 11 , 33

Factors of 24 1 , 2 , 3 , 4 , 6 , 8 , 12 , 24

1. 3

2) 6 , 33

Factors of 6 1 , 2 , 3 , 6

Factors of 33 1 , 3 , 11 , 33

2. 3

3) 33 , 8

Factors of 33 1 , 3 , 11 , 33

Factors of 8 1 , 2 , 4 , 8

3. 1

4) 16 , 12

Factors of 16 1 , 2 , 4 , 8 , 16

Factors of 12 1 , 2 , 3 , 4 , 6 , 12

4. 4

5) 24 , 14

Factors of 24 1 , 2 , 3 , 4 , 6 , 8 , 12 , 24

Factors of 14 1 , 2 , 7 , 14

5. 2

6) 28 , 22

Factors of 28 1 , 2 , 4 , 7 , 14 , 28

Factors of 22 1 , 2 , 11 , 22

6. 2

7) 12 , 6

Factors of 12 1 , 2 , 3 , 4 , 6 , 12

Factors of 6 1 , 2 , 3 , 6

7. 6

8) 30 , 12

Factors of 30 1 , 2 , 3 , 5 , 6 , 10 , 15 , 30

Factors of 12 1 , 2 , 3 , 4 , 6 , 12

8. 6

9) 21 , 39

Factors of 21 1 , 3 , 7 , 21

Factors of 39 1 , 3 , 13 , 39

9. 3



Solve each problem.

$$\begin{array}{r} 1) \quad 9,223 \\ \times \quad 12 \\ \hline 18,446 \\ + 92,230 \\ \hline 110,676 \end{array}$$

$$\begin{array}{r} 2) \quad 6,937 \\ \times \quad 54 \\ \hline 27,748 \\ + 346,850 \\ \hline 374,598 \end{array}$$

$$\begin{array}{r} 3) \quad 6,835 \\ \times \quad 43 \\ \hline 20,505 \\ + 273,400 \\ \hline 293,905 \end{array}$$

$$\begin{array}{r} 4) \quad 1,241 \\ \times \quad 98 \\ \hline 9,928 \\ + 111,690 \\ \hline 121,618 \end{array}$$

$$\begin{array}{r} 5) \quad 8,578 \\ \times \quad 70 \\ \hline 0 \\ + 600,460 \\ \hline 600,460 \end{array}$$

$$\begin{array}{r} 6) \quad 4,236 \\ \times \quad 60 \\ \hline 0 \\ + 254,160 \\ \hline 254,160 \end{array}$$

$$\begin{array}{r} 7) \quad 3,935 \\ \times \quad 72 \\ \hline 7,870 \\ + 275,450 \\ \hline 283,320 \end{array}$$

$$\begin{array}{r} 8) \quad 4,400 \\ \times \quad 77 \\ \hline 30,800 \\ + 308,000 \\ \hline 338,800 \end{array}$$

$$\begin{array}{r} 9) \quad 9,653 \\ \times \quad 16 \\ \hline 57,918 \\ + 96,530 \\ \hline 154,448 \end{array}$$

$$\begin{array}{r} 10) \quad 5,460 \\ \times \quad 17 \\ \hline 38,220 \\ + 54,600 \\ \hline 92,820 \end{array}$$

$$\begin{array}{r} 11) \quad 3,962 \\ \times \quad 12 \\ \hline 7,924 \\ + 39,620 \\ \hline 47,544 \end{array}$$

$$\begin{array}{r} 12) \quad 2,293 \\ \times \quad 91 \\ \hline 2,293 \\ + 206,370 \\ \hline 208,663 \end{array}$$

$$\begin{array}{r} 13) \quad 6,465 \\ \times \quad 63 \\ \hline 19,395 \\ + 387,900 \\ \hline 407,295 \end{array}$$

$$\begin{array}{r} 14) \quad 6,000 \\ \times \quad 97 \\ \hline 42,000 \\ + 540,000 \\ \hline 582,000 \end{array}$$

$$\begin{array}{r} 15) \quad 7,471 \\ \times \quad 19 \\ \hline 67,239 \\ + 74,710 \\ \hline 141,949 \end{array}$$

$$\begin{array}{r} 16) \quad 4,750 \\ \times \quad 44 \\ \hline 19,000 \\ + 190,000 \\ \hline 209,000 \end{array}$$

$$\begin{array}{r} 17) \quad 6,207 \\ \times \quad 55 \\ \hline 31,035 \\ + 310,350 \\ \hline 341,385 \end{array}$$

$$\begin{array}{r} 18) \quad 2,018 \\ \times \quad 54 \\ \hline 8,072 \\ + 100,900 \\ \hline 108,972 \end{array}$$

$$\begin{array}{r} 19) \quad 4,263 \\ \times \quad 27 \\ \hline 29,841 \\ + 85,260 \\ \hline 115,101 \end{array}$$

$$\begin{array}{r} 20) \quad 4,835 \\ \times \quad 13 \\ \hline 14,505 \\ + 48,350 \\ \hline 62,855 \end{array}$$

Answers

1. 110,676
2. 374,598
3. 293,905
4. 121,618
5. 600,460
6. 254,160
7. 283,320
8. 338,800
9. 154,448
10. 92,820
11. 47,544
12. 208,663
13. 407,295
14. 582,000
15. 141,949
16. 209,000
17. 341,385
18. 108,972
19. 115,101
20. 62,855



Solve each problem.

- 1) $(45 \div 5) + 10 =$
- 2) $(2 \times 9) - 2 =$
- 3) $(3 \times 10) + 5 =$
- 4) $(40 - 24) \div 8 =$
- 5) $(50 - 30) \div 10 =$
- 6) $(16 - 8) \div 4 =$
- 7) $(7 - 5) + 8 =$
- 8) $(9 \times 5) - 8 =$
- 9) $(20 \div 2) \times 4 =$
- 10) $(16 + 24) \div 8 =$
- 11) $(2 \times 6) + 9 =$
- 12) $(8 \times 12) \div 4 =$
- 13) $(21 \div 3) - 7 =$
- 14) $(4 + 6) \div 2 =$
- 15) $(16 \div 4) + 6 =$
- 16) $(10 - 3) + 2 =$
- 17) $(63 \div 9) \times 7 =$
- 18) $(3 + 4) \times 6 =$
- 19) $(9 + 4) \times 8 =$
- 20) $(18 + 18) \div 6 =$

Answers

1. 19
2. 16
3. 35
4. 2
5. 2
6. 2
7. 10
8. 37
9. 40
10. 5
11. 21
12. 24
13. 0
14. 5
15. 10
16. 9
17. 49
18. 42
19. 104
20. 6



Solve each problem.

$$\begin{array}{r}
 1) \quad 255 \text{ r}31 \\
 35 \overline{)8956} \\
 \underline{0} \\
 89 \\
 \underline{70} \\
 195 \\
 \underline{175} \\
 206 \\
 \underline{175} \\
 31
 \end{array}$$

$$\begin{array}{r}
 2) \quad 196 \text{ r}26 \\
 41 \overline{)8062} \\
 \underline{0} \\
 80 \\
 \underline{41} \\
 396 \\
 \underline{369} \\
 272 \\
 \underline{246} \\
 26
 \end{array}$$

$$\begin{array}{r}
 3) \quad 185 \text{ r}26 \\
 35 \overline{)6501} \\
 \underline{0} \\
 65 \\
 \underline{35} \\
 300 \\
 \underline{280} \\
 201 \\
 \underline{175} \\
 26
 \end{array}$$

$$\begin{array}{r}
 4) \quad 126 \\
 77 \overline{)9702} \\
 \underline{0} \\
 97 \\
 \underline{77} \\
 200 \\
 \underline{154} \\
 462 \\
 \underline{462} \\
 0
 \end{array}$$

$$\begin{array}{r}
 5) \quad 144 \\
 62 \overline{)8928} \\
 \underline{0} \\
 89 \\
 \underline{62} \\
 272 \\
 \underline{248} \\
 248 \\
 \underline{248} \\
 0
 \end{array}$$

$$\begin{array}{r}
 6) \quad 93 \text{ r}42 \\
 68 \overline{)6366} \\
 \underline{0} \\
 63 \\
 \underline{0} \\
 636 \\
 \underline{612} \\
 246 \\
 \underline{204} \\
 42
 \end{array}$$

$$\begin{array}{r}
 7) \quad 55 \\
 60 \overline{)3300} \\
 \underline{0} \\
 33 \\
 \underline{0} \\
 330 \\
 \underline{300} \\
 300 \\
 \underline{300} \\
 0
 \end{array}$$

$$\begin{array}{r}
 8) \quad 209 \text{ r}5 \\
 39 \overline{)8156} \\
 \underline{0} \\
 81 \\
 \underline{78} \\
 35 \\
 \underline{0} \\
 356 \\
 \underline{351} \\
 5
 \end{array}$$

$$\begin{array}{r}
 9) \quad 70 \\
 31 \overline{)2170} \\
 \underline{0} \\
 21 \\
 \underline{0} \\
 217 \\
 \underline{217} \\
 00 \\
 \underline{0} \\
 0
 \end{array}$$

Answers

1. 255 r31

2. 196 r26

3. 185 r26

4. 126

5. 144

6. 93 r42

7. 55

8. 209 r5

9. 70