

Students:

To be successful on this worksheet, you need to know :

- how to find least common denominators/multiples (LCM)
- how to find equivalent fractions
- how to change improper fractions to mixed numbers
- how to reduce fractions and mixed numbers to lowest terms

If you find that you need help with any of these concepts you could access the online tutorials that support the Middle School math textbooks that we use at St. Joseph School.

Procedure:

Log on to the following link <http://go.hrw.com/gopages/ma.html>

Once at the site:

- Click on the Middle School link
- Click on the Holt Mathematics Course 1© 2007 textbook link
- Click on Homework Help
- Click the chapter you want, then the lesson you want.
- Click on the Instructional Video icon.

Here is the list of the chapters in the Course 1 book that support the concepts in your summer packet.

Example: L 3-2 means Chapter 3, Lesson 2

- L 1-4 Order of Operations
- L 4-8 Adding and Subtracting Like Denominator Fractions
- L 5-2 Adding and Subtracting with Unlike Denominators
- L 5-3 Adding and Subtracting Mixed Numbers
- L 5-4 Regrouping to Subtract Mixed Numbers
- L 5-6 Multiplying Fractions by Whole Numbers
- L 5-7 Multiplying Fractions
- L 5-8 Multiplying Mixed Numbers
- L 5-9 Dividing Fractions and Mixed Numbers

Add or subtract. Write your answer in lowest terms/simplest form. Show all work.

1. $\frac{5}{6} + \frac{3}{6} =$

2. $\frac{5}{8} + \frac{7}{8} =$

3. $\frac{10}{12} + \frac{4}{9} =$

4. $\frac{2}{8} + \frac{3}{5} =$

5. $\frac{9}{10} - \frac{4}{10} =$

6. $\frac{11}{12} - \frac{8}{12} =$

7. $\frac{3}{4} - \frac{1}{3} =$

8. $\frac{4}{5} - \frac{2}{7} =$

9. $4\frac{5}{8} + 5\frac{1}{4} =$

10. $21\frac{1}{6} + 2\frac{2}{5} =$

11. $29\frac{1}{3} - 14\frac{1}{6} =$

12. $6\frac{3}{4} - 3\frac{3}{10} =$

13. $1\frac{1}{6} - \frac{7}{9} =$

14. $9\frac{1}{4} - 1\frac{7}{16} =$

Multiply or divide. Write answers in lowest terms/simplest form. Show all work.

15. $3 \times \frac{5}{6} =$

16. $\frac{3}{5} \times 8 =$

17. $\frac{2}{7} \times \frac{3}{4} =$

18. $\frac{8}{9} \times \frac{3}{4} =$

19. $2\frac{1}{6} \times \frac{4}{5} =$

20. $\frac{5}{8} \times 1\frac{3}{5} =$

21. $3\frac{1}{4} \div 2\frac{3}{4} =$

22. $\frac{5}{6} \div 2\frac{3}{10} =$

23. $\frac{6}{9} \div \frac{6}{7} =$

24. $\frac{7}{8} \div \frac{2}{3} =$

Evaluate each expression. Remember to use PEMDAS. Show each step in your work.

25. $8 + 5 \times 10 - 12$

26. $14 + (50 - 7^2) \times 3$

27. $12 \times 4 + 3 + 5 \times 1$

28. $(15 - 6)^2 \div 3 - 3^3$

29. $75 + 5^2 - (8 - 3)$

30. $(6 + 5) \cdot 16 \div 2$