

6th grade math

Week #2 - Operations with fractions

Remember : Adding → common denominator
Subtracting ↗

Find LCM - Add/subtract numerators, keep denom.

Multiplying

→ multiply straight across

→ simplify ($\div$ by GCF)

Divide → copy-dot-flip, then follow multiplication rules

WK 1 & 2 due May 8



EVEN'S ONLY

Greatest common factor of 2 numbers (2-50)

Grade 6 Factoring Worksheet

Find the greatest common factor.

1. 15 _____
5 _____

2. 44 _____
22 _____

3. 35 _____
20 _____

4. 12 _____
27 _____

5. 12 _____
44 _____

6. 7 _____
35 _____

7. 39 _____
9 _____

8. 38 _____
14 _____

9. 22 _____
11 _____

10. 48 _____
32 _____

11. 35 _____
21 _____

12. 28 _____
14 _____

13. 30 _____
35 _____

14. 7 _____
14 _____

15. 14 _____
42 _____

16. 40 _____
18 _____

Name : _____

Period : _____

EVENTS ONLY

Date : _____

Using the Mrs. Harvey method find the LCM and GCF

	LCM	GCF
1) 54, 21	_____	_____
2) 18, 50	_____	_____
3) 44, 2	_____	_____
4) 27, 40	_____	_____
5) 42, 52	_____	_____
6) 30, 40	_____	_____
7) 12, 14	_____	_____
8) 18, 2	_____	_____
9) 15, 4	_____	_____
10) 2, 6	_____	_____

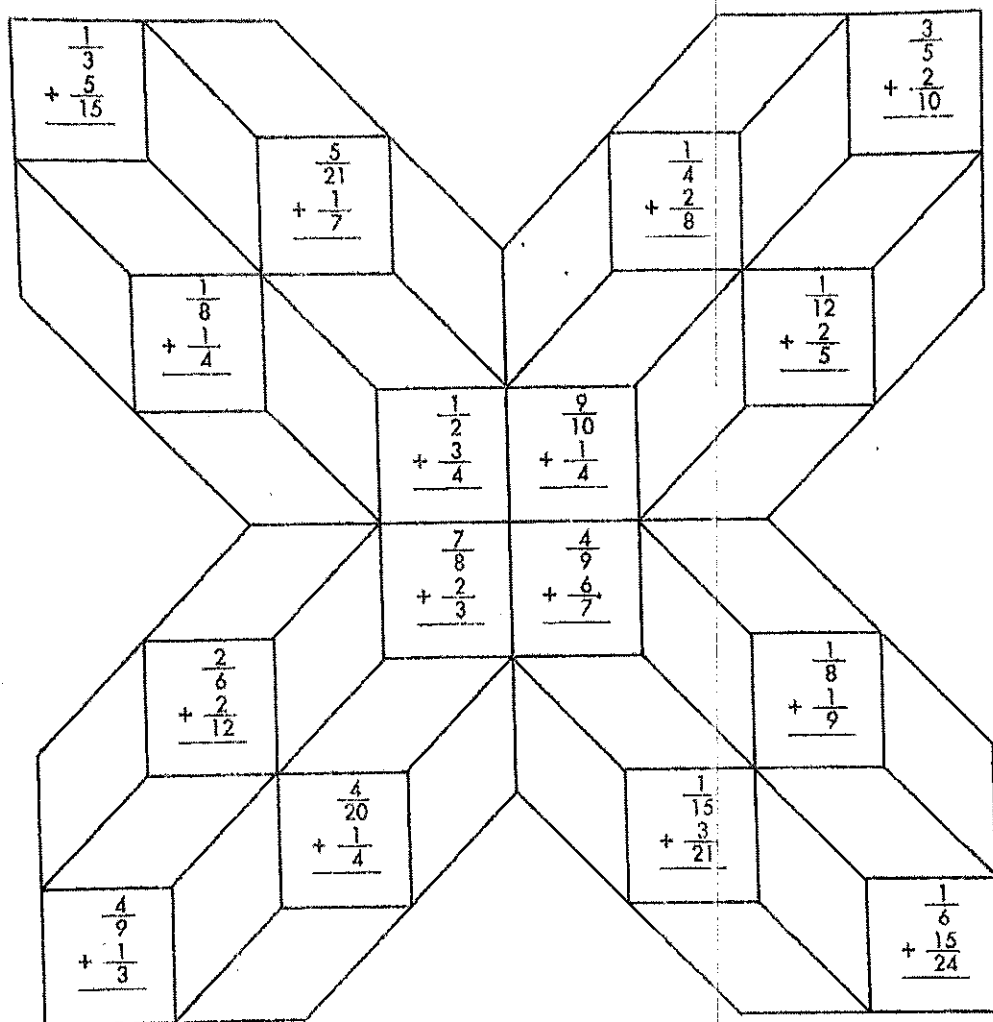


Name _____

Rising Star

FRACTIONS

Addition With Unlike Denominators



Solve the problems. Rename the answers in lowest terms.

If the answer is	color the shape
greater than 0 and less than or equal to $\frac{1}{2}$	orange
greater than $\frac{1}{2}$ and less than or equal to 1	red
greater than 1	yellow

Finish the design by coloring the other shapes with the colors of your choice.

Taking It Further Fill in the missing numbers in this sequence.

$\frac{2}{19}, \frac{27}{73}, \frac{46}{76}, \frac{65}{76},$

Name _____

Skill: Subtracting Mixed Numbers with the Same Denominators

Subtract.

EVEN'S ONLY

$$\begin{array}{r} 1. \quad 8\frac{4}{5} \\ - 1\frac{1}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 5\frac{2}{3} \\ - 4\frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 3\frac{1}{2} \\ - 1\frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 4\frac{2}{6} \\ - 3\frac{5}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 5\frac{3}{12} \\ - 2\frac{2}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 3\frac{3}{5} \\ - 1\frac{4}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 10\frac{1}{4} \\ - 7\frac{1}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 6\frac{7}{8} \\ - 1\frac{1}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 5\frac{1}{3} \\ - 4\frac{2}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 5\frac{3}{8} \\ - 3\frac{3}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 9\frac{6}{7} \\ - 2\frac{2}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 2\frac{1}{8} \\ - 1\frac{1}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 7\frac{3}{8} \\ - 5\frac{1}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 4\frac{11}{13} \\ - 2\frac{12}{13} \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 7\frac{1}{6} \\ - 5\frac{3}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 3\frac{7}{9} \\ - 2\frac{1}{9} \\ \hline \end{array}$$

Total Problems <u>16</u> Problems Correct <u> </u>

Name _____

Skill: Multiplying Fractions

Multiply. Change answers to simplest form.

EVEN'S ONLY

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

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

3. $\frac{1}{9} \times \frac{3}{6} =$

4. $\frac{3}{9} \times \frac{2}{5} =$

5. $\frac{3}{8} \times \frac{5}{6} =$

6. $\frac{4}{7} \times \frac{3}{8} =$

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

8. $\frac{3}{4} \times \frac{2}{3} =$

9. $\frac{2}{5} \times \frac{6}{8} =$

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

11. $\frac{3}{5} \times \frac{7}{8} =$

12. $\frac{1}{4} \times \frac{1}{5} =$

13. $\frac{2}{7} \times \frac{4}{5} =$

14. $\frac{3}{6} \times \frac{1}{6} =$

15. $\frac{1}{3} \times \frac{4}{7} =$

Total Problems 15 Problems Correct

Name _____

Skill: Dividing Mixed Numbers
and Fractions

Divide. Write answers in simplest form.

EVEN/5 ONLY

1. $1\frac{1}{6} \div \frac{1}{4} =$

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

3. $1\frac{1}{3} \div \frac{3}{8} =$

4. $2\frac{2}{5} \div \frac{2}{3} =$

5. $5\frac{1}{3} \div \frac{3}{8} =$

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

7. $6\frac{3}{8} \div \frac{7}{10} =$

8. $3\frac{1}{3} \div \frac{3}{4} =$

9. $1\frac{1}{5} \div \frac{2}{5} =$

10. $1\frac{1}{3} \div \frac{7}{8} =$

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

12. $5\frac{6}{7} \div \frac{3}{4} =$

Total Problems 12 Problems Correct