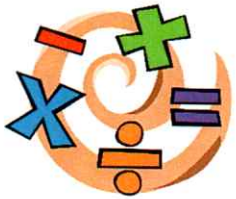

Fraction Math Packet

Please choose 7-10 problems to solve each Satellite Day.

Due Date: Friday, March 20th

Name: _____

B

Add Fractions with Unlike Denominators

Directions: Add the fractions. Write your answers in simplest form.

$\frac{1}{8} + \frac{5}{6} =$

$\frac{1}{3} + \frac{4}{15} =$

$\frac{3}{8} + \frac{2}{3} =$

$\frac{2}{5} + \frac{4}{10} =$

$\frac{4}{9} + \frac{1}{2} =$

$\frac{3}{4} + \frac{1}{6} =$

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

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

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

$\frac{1}{2} + \frac{1}{4} + \frac{2}{5} =$

$\frac{1}{8} + \frac{3}{4} + \frac{3}{5} =$

Directions: Fill in the missing numerators or fractions to make the equations true.

$\frac{3}{4} + \frac{\quad}{6} = \frac{11}{12}$

$\frac{2}{5} + \frac{\quad}{10} = \frac{7}{10}$

$\frac{3}{8} + \frac{\quad}{6} = \frac{17}{24}$

$\frac{1}{8} + \frac{\quad}{\quad} = \frac{5}{12}$

$\frac{1}{6} + \frac{\quad}{\quad} = \frac{11}{12}$

$\frac{3}{10} + \frac{\quad}{\quad} = \frac{11}{20}$

Name: _____

C

Add Mixed Numbers with Unlike Denominators

Directions: Find the sum of the fractions in each problem. Write your answer in simplest form.

$6\frac{1}{8} + 4\frac{1}{3} =$ $1\frac{1}{3} + 4\frac{1}{4} =$ $5\frac{2}{3} + 9\frac{1}{4} =$

$6\frac{1}{3} + 4\frac{2}{5} =$ $2\frac{2}{5} + 9\frac{1}{2} =$ $1\frac{1}{5} + 5\frac{2}{3} =$

$2\frac{1}{2} + 3\frac{7}{8} =$ $4\frac{1}{6} + 2\frac{1}{5} =$ $1\frac{3}{8} + 2\frac{1}{3} =$

$5\frac{3}{4} + 3\frac{1}{6} =$ $7\frac{1}{3} + 3\frac{3}{10} =$ $2\frac{5}{12} + 3\frac{2}{3} =$

Challenge: Find the sum of the three fractions in each problem. Write your answer in simplest form.

$6\frac{5}{8} + 4\frac{1}{4} + 7\frac{1}{2} =$ $1\frac{1}{2} + 3\frac{2}{3} + 4\frac{1}{5} =$

Name: _____

D

Subtract Fractions with Unlike Denominators

Directions: Subtract the fractions to find the difference. Write your answer in simplest form.

$\frac{2}{5} - \frac{1}{4} =$ $\frac{1}{3} - \frac{1}{6} =$ $\frac{1}{4} - \frac{1}{8} =$

$\frac{3}{4} - \frac{1}{5} =$ $\frac{2}{3} - \frac{3}{5} =$ $\frac{1}{2} - \frac{1}{3} =$

$\frac{9}{10} - \frac{3}{4} =$ $\frac{3}{4} - \frac{1}{3} =$ $\frac{2}{5} - \frac{1}{10} =$

$\frac{2}{3} - \frac{1}{2} =$ $\frac{5}{8} - \frac{1}{3} =$ $\frac{2}{3} - \frac{1}{6} =$

Directions: Find the missing numerator or fraction that correctly completes each equation.

$\frac{2}{3} - \frac{\quad}{5} = \frac{4}{15}$ $\frac{7}{8} - \frac{\quad}{4} = \frac{1}{8}$ $\frac{8}{10} - \frac{\quad}{5} = \frac{1}{5}$

$\frac{1}{2} - \frac{\quad}{\quad} = \frac{1}{10}$ $\frac{3}{4} - \frac{\quad}{\quad} = \frac{5}{12}$ $\frac{1}{3} - \frac{\quad}{\quad} = \frac{1}{12}$

Name: _____

E

Subtract Mixed Numbers with Unlike Denominators

Directions: Subtract the mixed numbers. Write your answers in simplest form.

$8\frac{2}{5} - 2\frac{3}{10} =$ $5\frac{4}{5} - 4\frac{1}{2} =$ $7\frac{2}{3} - 1\frac{1}{4} =$

$6\frac{2}{3} - 3\frac{2}{5} =$ $8\frac{1}{4} - 4\frac{2}{10} =$ $7\frac{1}{2} - 3\frac{2}{4} =$

$7\frac{3}{4} - 2\frac{1}{3} =$ $9\frac{5}{6} - 4\frac{1}{2} =$ $9\frac{7}{9} - 3\frac{1}{2} =$

$7\frac{5}{12} - 1\frac{1}{3} =$ $13\frac{7}{10} - 6\frac{1}{4} =$ $8\frac{5}{6} - 2\frac{1}{5} =$

Directions: Solve each problem using addition and subtraction. Write your answer in simplest form.

$8\frac{1}{6} + 2\frac{5}{12} - 1\frac{1}{3} =$ $6\frac{2}{4} + 3\frac{1}{3} - 2\frac{1}{6} =$

Name: _____

F

Add & Subtract Unlike Fractions Word Problems

Directions: Solve each problem. Write your answers in simplest form.

1. Jonah watched two movies last weekend. The first movie was $1\frac{5}{6}$ hours long. The second movie was $1\frac{2}{3}$ hours long. How many hours did Jonah spend watching movies?	2. Rick and Ashley ate $\frac{10}{12}$ of a pizza. Rick ate $\frac{1}{4}$ of the pizza. How much pizza did Ashley eat?
3. Sophie is $5\frac{10}{12}$ feet tall. Harlow is $4\frac{3}{4}$ feet tall. How much taller is Sophie than Harlow?	4. Jana ran $2\frac{5}{6}$ miles on Saturday. She ran $3\frac{3}{4}$ miles on Sunday. How many miles did she run in total over the two days?
5. Cooper spent $\frac{2}{5}$ an hour on his math homework and $\frac{3}{4}$ an hour on his science homework. How much longer did he spend on his science homework than his math homework?	6. Malia bought $\frac{2}{3}$ pound gummy bears, $\frac{3}{4}$ pound gumballs and $\frac{5}{6}$ pound gummy worms. How many pounds of gummy candy did Malia buy?
7. Shirley bought $2\frac{3}{10}$ pounds of red apples and $1\frac{3}{4}$ pounds of green apples. How many pounds of apples did Shirley buy in total?	8. Wren found two snakes in his backyard. The first snake was $3\frac{1}{2}$ feet long. The second snake was $2\frac{3}{8}$ feet long. How much longer was the first snake than the second snake?
9. Atticus mixed $\frac{1}{2}$ cup white paint, $\frac{3}{4}$ cup blue paint and $\frac{3}{5}$ cups red paint. How many cups of paint did he mix together in total?	10. Paulie is walking on a path around a pond that is $4\frac{3}{5}$ miles long. He has already walked $2\frac{1}{2}$ miles. How many miles does he have left to walk?

Name: _____

Multiplying Fractions

Solve the word problems. Show your work.

a. The Garcia family volunteers at the Chestnut Street Community Garden. ½ of the garden is used for growing vegetables. ¼ of the vegetable section is used for growing tomatoes. What fraction of the garden is used for growing tomatoes?

_____

b. Mrs. Garcia picked ⅘ of a pound of tomatoes from the garden. She used ⅚ of what she picked to make a batch of salsa. How many pounds of tomatoes did Mrs. Garcia use to make her salsa?

_____

c. ⅙ of the garden is used for growing petunias. ¾ of the petunias are pink. What fraction of the garden is pink petunias?

_____

d. ½ of the people who live in the neighborhood volunteer at the community garden. ⅖ of those volunteers are teenagers. What fraction of the volunteers are teenagers?

_____

Name _____ Date _____

What gets wet while it dries?

1. $\frac{8}{10} \div \frac{2}{10}$	2. $\frac{9}{12} \div \frac{4}{12}$	3. $\frac{3}{8} \div \frac{6}{8}$	4. $\frac{4}{7} \div \frac{6}{7}$
5. $\frac{1}{2} \div \frac{4}{6}$	6. $\frac{7}{15} \div \frac{3}{5}$	7. $\frac{2}{3} \div \frac{4}{18}$	8. $\frac{3}{4} \div \frac{6}{16}$
9. $\frac{14}{21} \div \frac{4}{7}$	10. $\frac{8}{16} \div \frac{5}{8}$	11. $\frac{6}{8} \div \frac{2}{24}$	12. $\frac{2}{3} \div \frac{5}{27}$
13. $\frac{1}{2} \div \frac{4}{5}$	14. $\frac{6}{8} \div \frac{2}{3}$	15. $\frac{5}{7} \div \frac{1}{3}$	16. $\frac{3}{4} \div \frac{9}{10}$

Directions

- Cross out the answer that matches each question.
- Write down the remaining letters.

P	J	A	R	F	N
4	$\frac{4}{5}$	$\frac{2}{9}$	$\frac{1}{2}$	9	$\frac{3}{4}$

T	Z	A	O	S	B
$\frac{13}{18}$	$\frac{5}{6}$	$1\frac{1}{6}$	$\frac{5}{16}$	$\frac{2}{3}$	$\frac{7}{9}$

C	W	K	E	Y	H
$2\frac{1}{7}$	$\frac{6}{49}$	$1\frac{1}{8}$	$\frac{7}{25}$	2	$2\frac{1}{4}$

L	X	D	V
$\frac{1}{10}$	$3\frac{3}{5}$	$\frac{5}{8}$	3

Answer _____