

Name \_\_\_\_\_

Date \_\_\_\_\_

Menu Math Fractions II - B

Class \_\_\_\_\_

**Directions:** Complete the below listed assignments in order while working independently this week. The packet is due Friday, November 13<sup>th</sup>.

\_\_\_\_\_ Page 1 – Ordering Fractions

\_\_\_\_\_ Page 2 - Add/Subtract Mixed #'s – *Unlike*

\_\_\_\_\_ Page 3 – Multiplication 4x2

\_\_\_\_\_ Page 4 – Simplifying Fractions

\_\_\_\_\_ Page 5 - Division 4x2

\_\_\_\_\_ Page 6 – Multiplying Mixed by a Whole Number

\_\_\_\_\_ Page 7 – Word Problems – Multiplication

\_\_\_\_\_ Page 8 – Word Problems – Add/Subtract Mixed #'s

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Order the Fractions from Least to Greatest**

a)  $\frac{2}{7}$  ,  $\frac{1}{3}$  ,  $\frac{3}{4}$  ,  $\frac{4}{9}$

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

b)  $\frac{1}{2}$  ,  $\frac{2}{3}$  ,  $\frac{3}{4}$  ,  $\frac{4}{5}$

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

c)  $\frac{5}{8}$  ,  $\frac{11}{12}$  ,  $\frac{7}{4}$  ,  $\frac{9}{16}$

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

d)  $\frac{1}{2}$  ,  $\frac{5}{6}$  ,  $\frac{2}{5}$  ,  $\frac{7}{10}$

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

e)  $\frac{1}{6}$  ,  $\frac{1}{2}$  ,  $\frac{1}{3}$  ,  $\frac{1}{9}$

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

f)  $\frac{3}{4}$  ,  $\frac{2}{9}$  ,  $\frac{13}{18}$  ,  $\frac{11}{12}$

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

g)  $\frac{2}{5}$  ,  $\frac{5}{12}$  ,  $\frac{3}{10}$  ,  $\frac{1}{6}$

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

h)  $\frac{3}{7}$  ,  $\frac{4}{9}$  ,  $\frac{4}{5}$  ,  $\frac{5}{8}$

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

i)  $\frac{3}{14}$  ,  $\frac{5}{18}$  ,  $\frac{7}{16}$  ,  $\frac{1}{12}$

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

j)  $\frac{2}{3}$  ,  $\frac{3}{7}$  ,  $\frac{6}{11}$  ,  $\frac{1}{5}$

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

k)  $\frac{9}{8}$  ,  $\frac{7}{2}$  ,  $\frac{13}{6}$  ,  $\frac{5}{4}$

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

l)  $\frac{1}{2}$  ,  $\frac{5}{12}$  ,  $\frac{7}{6}$  ,  $\frac{9}{4}$

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

m)  $\frac{19}{40}$  ,  $\frac{13}{20}$  ,  $\frac{11}{10}$  ,  $\frac{17}{30}$

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

n)  $\frac{4}{5}$  ,  $\frac{5}{6}$  ,  $\frac{1}{2}$  ,  $\frac{2}{3}$

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### Adding Mixed Numbers

1)  $5\frac{1}{22} + 7\frac{2}{6} =$

2)  $1\frac{9}{30} + 4\frac{2}{3} =$

3)  $4\frac{3}{92} + 5\frac{6}{23} =$

4)  $3\frac{8}{82} + 6\frac{8}{41} =$

5)  $1\frac{2}{3} + 6\frac{20}{24} =$

6)  $6\frac{7}{10} + 8\frac{9}{11} =$

7)  $5\frac{12}{22} + 9\frac{4}{11} =$

8)  $6\frac{15}{40} + 9\frac{19}{30} =$

9)  $4\frac{10}{70} + 7\frac{19}{35} =$

10)  $2\frac{10}{11} + 7\frac{2}{55} =$



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### Subtracting Mixed Numbers

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

2)  $9\frac{1}{2} - 1\frac{2}{10} =$

3)  $7\frac{1}{2} - 2\frac{1}{5} =$

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

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

6)  $5\frac{1}{2} - 2\frac{1}{5} =$

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

8)  $6\frac{9}{10} - 2\frac{1}{3} =$

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

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



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$$\begin{array}{r} 1694 \\ \times 82 \\ \hline \end{array}$$

$$\begin{array}{r} 1337 \\ \times 72 \\ \hline \end{array}$$

$$\begin{array}{r} 2167 \\ \times 18 \\ \hline \end{array}$$

$$\begin{array}{r} 1509 \\ \times 55 \\ \hline \end{array}$$

$$\begin{array}{r} 1211 \\ \times 15 \\ \hline \end{array}$$

$$\begin{array}{r} 1805 \\ \times 50 \\ \hline \end{array}$$

$$\begin{array}{r} 1884 \\ \times 25 \\ \hline \end{array}$$

$$\begin{array}{r} 1242 \\ \times 69 \\ \hline \end{array}$$

$$\begin{array}{r} 1086 \\ \times 295 \\ \hline \end{array}$$

$$\begin{array}{r} 1421 \\ \times 388 \\ \hline \end{array}$$

$$\begin{array}{r} 2236 \\ \times 568 \\ \hline \end{array}$$

$$\begin{array}{r} 1971 \\ \times 731 \\ \hline \end{array}$$

$$\begin{array}{r} 1684 \\ \times 96 \\ \hline \end{array}$$

$$\begin{array}{r} 1957 \\ \times 87 \\ \hline \end{array}$$

$$\begin{array}{r} 1914 \\ \times 94 \\ \hline \end{array}$$

$$\begin{array}{r} 1077 \\ \times 97 \\ \hline \end{array}$$



# Multiplying Mixed #'s.

1)  $2\frac{1}{3} \times 4\frac{2}{5}$

$2\frac{1}{3}$

4	$4 \times 2$	$4 \times \frac{1}{3}$
$\frac{2}{5}$	$2 \times \frac{2}{5}$	$\frac{2}{5} \times \frac{1}{3}$

ans: \_\_\_\_\_

2)  $5\frac{1}{3} \times 2\frac{3}{8}$


ans: \_\_\_\_\_

3)  $3\frac{2}{9} \times 2\frac{1}{3}$


ans: \_\_\_\_\_

4)  $3\frac{1}{7} \times 2\frac{2}{3}$

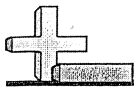

ans: \_\_\_\_\_

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


ans: \_\_\_\_\_

6)  $7\frac{1}{4} \times 2\frac{2}{5}$


ans: \_\_\_\_\_



Reduce each fraction as much as possible.

Ex)  $\frac{12}{16} = \frac{3}{4}$

1)  $\frac{4}{16} = \underline{\hspace{1cm}}$

2)  $\frac{4}{12} = \underline{\hspace{1cm}}$

**Answers**

Ex.  $\frac{3}{4}$

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

3)  $\frac{30}{36} = \underline{\hspace{1cm}}$

4)  $\frac{45}{72} = \underline{\hspace{1cm}}$

5)  $\frac{7}{28} = \underline{\hspace{1cm}}$

6)  $\frac{20}{32} = \underline{\hspace{1cm}}$

7)  $\frac{2}{6} = \underline{\hspace{1cm}}$

8)  $\frac{49}{56} = \underline{\hspace{1cm}}$

9)  $\frac{56}{64} = \underline{\hspace{1cm}}$

10)  $\frac{21}{28} = \underline{\hspace{1cm}}$

11)  $\frac{15}{18} = \underline{\hspace{1cm}}$

12)  $\frac{10}{15} = \underline{\hspace{1cm}}$

13)  $\frac{3}{18} = \underline{\hspace{1cm}}$

14)  $\frac{2}{12} = \underline{\hspace{1cm}}$

15)  $\frac{10}{80} = \underline{\hspace{1cm}}$

16)  $\frac{3}{12} = \underline{\hspace{1cm}}$

17)  $\frac{5}{20} = \underline{\hspace{1cm}}$

18)  $\frac{8}{64} = \underline{\hspace{1cm}}$

19)  $\frac{15}{40} = \underline{\hspace{1cm}}$

20)  $\frac{18}{48} = \underline{\hspace{1cm}}$

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$$21 \overline{)1239}$$

$$48 \overline{)4752}$$

$$87 \overline{)1392}$$

$$48 \overline{)2592}$$

$$65 \overline{)6045}$$

$$86 \overline{)4214}$$

$$49 \overline{)4067}$$

$$20 \overline{)200}$$

$$84 \overline{)8316}$$

$$71 \overline{)6390}$$

$$59 \overline{)3127}$$

$$74 \overline{)1998}$$





## Multiplying Mixed # by Whole

1)  $3\frac{1}{4}$  of 12

2)  $5\frac{2}{3} \times 9$

3)  $8\frac{7}{9}$  of 9

4)  $6\frac{2}{5} \times 25$

5)  $12\frac{1}{2}$  of 20

6)  $7\frac{1}{3}$  of 14

7)  $4\frac{2}{9}$  of 18

8)  $1\frac{2}{3}$  of 6

9)  $3\frac{3}{4}$  of 16

10)  $7\frac{1}{8}$  of 16



## Grade 5 Math Word Problems Worksheet

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*Read and answer each question. Show your work!*

### Multiplying Fractions Word Problems #1

1. A dime is  $\frac{1}{2}$  inch wide. If you put 5 dimes end to end, how long would they be from beginning to end?
2. You have 10 cookies and want to give  $\frac{1}{2}$  of them to a friend. How many do you give to your friend?
3. You have 8 donuts and you want to give  $\frac{1}{4}$  of them to a friend. How many donuts would your friend get?
4. You have 6 donuts and you want to give  $\frac{2}{3}$  of them to a friend and keep the rest for yourself. How many donuts would your friend get?
5. Five friends buy a package of 12 cookies and want to share them equally. Each friend will get  $\frac{1}{5}$  of the cookies. How much will each friend get?

6.  $\frac{3}{4}$  of a pan of brownies was sitting on the counter. You decided to eat  $\frac{1}{3}$  of the brownies in the pan. How much of the whole pan of brownies did you eat?
7. You have  $\frac{2}{3}$  of a pumpkin pie left over from Thanksgiving. You want to give  $\frac{1}{2}$  of it to your sister. How much of the whole pumpkin pie will this be?

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### Word Problems

- 1 ) Alyssa had to complete chores. Alyssa has completed  $\frac{5}{9}$  of the house chores and  $\frac{5}{6}$  of the yard chores. What fraction of all the chores has Alyssa done? \_\_\_\_\_
- 2 ) Fred drank  $\frac{6}{11}$  of a cup of milk at breakfast and  $\frac{3}{5}$  of a cup of milk at dinner. In total, how many cups of milk did Fred drink today? \_\_\_\_\_
- 3 ) Sam did  $\frac{2}{3}$  of a load of laundry on Saturday and  $\frac{2}{9}$  of a load of laundry on Tuesday. What fraction of laundry did Sam do in total? \_\_\_\_\_
- 4 ) Sara has  $\frac{4}{5}$  of last week's allowance and  $\frac{1}{3}$  of this week's allowance. How much allowance in total does Sara have left? \_\_\_\_\_
- 5 ) Sandy planted  $\frac{3}{10}$  rows of radishes and  $\frac{1}{2}$  rows of onions in a garden. In total, how many rows of vegetables did Sandy plant? \_\_\_\_\_
- 6 ) Tom picked  $\frac{3}{11}$  of a bucket of lemons, and Joan picked  $\frac{1}{12}$  of a bucket of lemons. How many buckets total did they pick? \_\_\_\_\_
- 7 ) Sandy completed  $\frac{5}{8}$  of Sunday's crossword and  $\frac{8}{9}$  of Saturday's crossword. In total, what fraction of these crosswords did Sandy finish? \_\_\_\_\_
- 8 ) Benny has to read 2 books for school. Benny read  $\frac{1}{3}$  of the first book on Wednesday, and  $\frac{2}{9}$  of the second book on Thursday. What total fraction of these two books has Benny read? \_\_\_\_\_
- 9 ) A recipe called for  $\frac{5}{9}$  cup of chopped spinach and  $\frac{9}{10}$  cup of diced spinach. In total, how many cups of spinach did the recipe call for? \_\_\_\_\_
- 10 ) Melanie ate  $\frac{3}{11}$  of a pumpkin, while Benny ate  $\frac{1}{8}$  of a pumpkin. In total, how much pumpkin did these two eat? \_\_\_\_\_



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### Word Problems

1) Alyssa drank  $1\frac{1}{11}$  of a cup of milk at breakfast and  $1\frac{2}{5}$  of a cup of milk at dinner.  
In total, how many cups of milk did Alyssa drink today? \_\_\_\_\_

2) Sam bought  $1\frac{7}{10}$  pounds of turkey and  $1\frac{7}{12}$  pounds of salami at the store.  
In total, how many pounds of meat did Sam buy? \_\_\_\_\_

3) Fred has  $1\frac{2}{3}$  week's worth of pay in a wallet and  $1\frac{3}{4}$  week's of pay in the bank.  
How many weeks of pay does Fred have? \_\_\_\_\_

4) Tom did  $1\frac{5}{8}$  loads of laundry on Saturday and  $1\frac{1}{9}$  loads of laundry on  
Sunday. What fraction of laundry did Tom do in total? \_\_\_\_\_

5) A recipe called for  $1\frac{3}{7}$  cups chopped lettuce and  $1\frac{1}{8}$  cups of diced lettuce. In total,  
how many cups of lettuce did the recipe call for? \_\_\_\_\_

6) Benny picked  $1\frac{2}{7}$  buckets of bananas, and Tom picked  $1\frac{2}{9}$  buckets  
of bananas. How many buckets total did they pick? \_\_\_\_\_

7) Joan completed  $3\frac{1}{2}$  crosswords on Wednesday and  $1\frac{2}{3}$  crosswords on Saturday.  
In total, what fraction of these crosswords did Joan finish? \_\_\_\_\_

8) Joan ate  $1\frac{3}{7}$  lasagnas, while Fred ate  $1\frac{1}{9}$  lasagnas. In total, how much  
lasagna did these two eat? \_\_\_\_\_

9) Nancy has to read some books for school. Nancy read  $3\frac{1}{2}$  books on Tuesday,  
and  $1\frac{2}{3}$  books on Saturday. How many books has Nancy read? \_\_\_\_\_

10) Melanie planted  $1\frac{2}{5}$  rows of onions and  $2\frac{1}{3}$  rows of carrots in a garden. In total, how  
many rows of vegetables did Melanie plant? \_\_\_\_\_



Name : \_\_\_\_\_

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### Word Problems

1 ) Mary is  $2\frac{7}{8}$  ft tall, whereas Keith is  $1\frac{3}{7}$  ft tall. How much taller in feet is Mary than Keith? \_\_\_\_\_

2 ) Sam spends  $2\frac{1}{8}$  hours reading and also spends  $1\frac{1}{5}$  hours at the library. How much less time does Sam spend at the library compared to reading? \_\_\_\_\_

3 ) Fred wants to complete  $2\frac{7}{9}$  crosswords today. Fred has already done  $2\frac{3}{4}$  crosswords. What fraction of crosswords does Fred have left to finish? \_\_\_\_\_

4 ) A recipe called for  $1\frac{4}{9}$  cups of chopped turnips and  $1\frac{4}{5}$  cups of diced lettuce. How many more cups of lettuce did the recipe call for? \_\_\_\_\_

5 ) Jess has  $1\frac{6}{11}$  week's worth of pay in a wallet and  $3\frac{7}{12}$  week's of pay in the bank. How many more weeks of pay does Jess have stored in the bank? \_\_\_\_\_

6 ) Jason was told to practice playing viola for  $1\frac{7}{8}$  hours per day. Jason has already played  $1\frac{7}{11}$  hours today. How many hours does Jason still need to practice today? \_\_\_\_\_

7 ) Benny has  $3\frac{5}{6}$  books left to read for school. Benny read  $3\frac{2}{5}$  books on Friday. How many more books does Benny have to read? \_\_\_\_\_

8 ) Tom has to walk  $3\frac{1}{8}$  miles to get to the library. Mary has to travel  $1\frac{10}{11}$  miles to also get to the library. How much further does Tom have to walk than Mary to get to the library? \_\_\_\_\_

9 )  $1\frac{9}{11}$  ft of fabric is needed to make drapes, while  $2\frac{3}{7}$  ft of fabric is required to make a flag. How much more fabric is needed to make a flag versus drapes? \_\_\_\_\_

10 ) Dan picked  $1\frac{4}{11}$  buckets of pears, and Keith picked  $3\frac{1}{2}$  buckets of pears. How many more buckets did Keith pick? \_\_\_\_\_



## Grade 5 Math Word Problems Worksheet

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Read and answer each question. Show your work!

### Mixed Practice with Fractions #1

1. Of the 95 children in 6<sup>th</sup> grade,  $\frac{3}{5}$  went to holiday parties. How many students went to holiday parties in all?
2. Amy has 72 sweets in a bag. She keeps  $\frac{1}{4}$  of them for herself and shares the rest with friends. How many sweets will she give to her friends?
3. A train arrives at the station with 150 passengers on board.  $\frac{2}{5}$  of the passengers get off the train in Seattle, and then 35 passengers board the train. How many passengers are on the train when it leaves the station?
4. 30 people watched the soccer game last night. Tickets cost \$2.75 each. Half of these fans bought a program at \$1.50 each. How much money was collected altogether?
5. Dean buys 25 stickers on Monday and 17 on Tuesday, On Wednesday he gives  $\frac{1}{6}$  of his stickers to Jack. How many does he have left?

6. On six book shelves there are 72 books per shelf. How many books are there altogether? If  $\frac{1}{3}$  of these are non-fiction, how many fictional books are there?
  
7. Of 100 children in Grade 5 and Grade 6, three-quarters have pets; 40 children have a dog, and 18 children have a cat. How many children have other kinds of pets?
  
8. Steven says "I would rather have  $\frac{5}{9}$  of \$72 than  $\frac{4}{6}$  because I will get more to spend." Is he correct?