

NAME_____

5th Grade Math Review Packet

- This packet is designed to help you retain the information you learned in Ms. Hart's class in preparation for next year.
- It will be most helpful if you work on it *gradually* throughout the summer to keep up your skills.
- All work must be shown for each problem. The problems should be done correctly, not just attempted.
- The completed packet (*with all work attached*) will be collected **the first day of school**.
 - In addition to a homework grade, students prepared on that **first day** of class will receive 2 homework passes.

Hope you all have a wonderful summer!

Mrs. Aguon



Add and Subtract Decimals

Hints/Guide:

When adding and subtracting decimals, the key is to line up the decimals above each other, add zeros to have all of the numbers have the same place value length, then use the same rules as adding and subtracting whole numbers, with the answer having a decimal point in line with the problem. For example:

$$\begin{array}{r} 34.5 & 34.500 \\ 34.5 + 6.72 + 9.045 = 6.72 & = 6.720 \\ & \underline{+ 9.045} & \underline{+ 9.045} \\ & 50.265 & \end{array} \quad \text{AND} \quad \begin{array}{r} 5 - 3.25 = 5.00 \\ & \underline{- 3.25} \\ & 1.75 \end{array}$$

Exercises: Solve:

No Calculators!

SHOW ALL WORK. Use a separate sheet of paper (if necessary) and staple to this page.

1. $15.7 + 2.34 + 5.06 =$

2. $64.038 + 164.8 + 15.7 =$

3. $2.6 + 64.89 + 4.007 =$

4. $12.9 + 2.008 + 75.9 =$

5. 543.8
 $\underline{27.64}$
 $\underline{+ 6.9}$

6. $2.6 + 4.75 =$

7. $43.31 + 7.406 =$

8. 64.9
 $\underline{343.6}$
 $\underline{+ 6.007}$

9. $6.45 + 54.9 =$

10. $3.8 + .76 + .008 =$

11. $87.4 - 56.09 =$

12. $5.908 - 4.72 =$

13. $68.9 - 24.74 =$

14. $955.3 - 242.7 =$

15. 695.42
 $\underline{- 44.79}$

16. $432.97 - 287.32 =$

17. $43.905 - 9.08 =$

18. 78.9
 $\underline{- 54.7}$

19. $200 - 14.96 =$

20. $15 - 2.43 =$

Order Decimals

Hints/Guide:

To compare decimals and list them from least to greatest, it is easier to compare decimals that are the same place value, so one process we can use to compare decimals is to include trailing zeros to make all of the decimals that same place value. For example, to put the following in order from least to greatest:

.3, 1.61, .006, .107 is easier to compare as:

0.300, 1.610, 0.006, 0.107

to achieve 0.006, 0.107, 0.300, 1.610

and then return to the original form: 0.006, 0.107, 0.3, 1.61

Exercises:

List each group of numbers in order from least to greatest:

1. 20, 4, .6, .08

2. 246.8, 248.6, 244.9, 246.5

3. 1.03, 2.4, .89, .987

4. 14.8, 2.68, .879, 8.47

5. 5.3, 5.12, 5.38, 5.29

6. 54.89, 56.3, 58.1, 52.98

7. 4, .006, .8, .07

8. 297, 3.456, 64.4, 7.24

9. 794, 793.8, 794.65, 794.7

10. 9, 6.7, 7.24, 14

11. 4.2, 4.19, 4.07, 4.3

12. 3.75, 6.7, 3.8, .45



Write Numbers in Words and Digits

Hints/Guide:

In order to read numbers correctly, we need to know the order of each place value. The order is the following:

1,000,000 is one million	100,000 is one hundred thousand
10,000 is ten thousand	1,000 is one thousand
100 is one hundred	10 is ten
1 is one	0.1 is one tenth
0.01 is one hundredth	0.001 is one thousandth

So, the number 354.67 is read as three hundred fifty four and sixty-seven hundredths and 3,500,607.004 is read as three million, five hundred thousand, six hundred seven and four thousandths. Please remember that the word "and" indicates and location of the decimal point in mathematics and should not be used anywhere else (for example, it is inappropriate to read 350 as three hundred and fifty, because "and" means a decimal point). Also, the term "point" in mathematics is a geometry term and should not be used in naming numbers (for example, 3.5 is not three "point" five, but rather three and five tenths).

Exercises:

Write the number name:

1. 560.08 _____
2. 7.016 _____
3. 24.47 _____
4. 6,003 _____
5. 3,005,600.07 _____

Write the number the name represents:

6. Forty-fivethousandths _____
7. Seventeen and seven hundredths _____
8. Five million, three hundred thousand,
twenty-nine and six tenths _____
9. Six million and five thousandths _____
10. Two hundred eight thousand, four _____

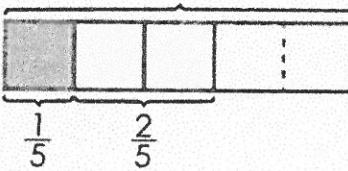
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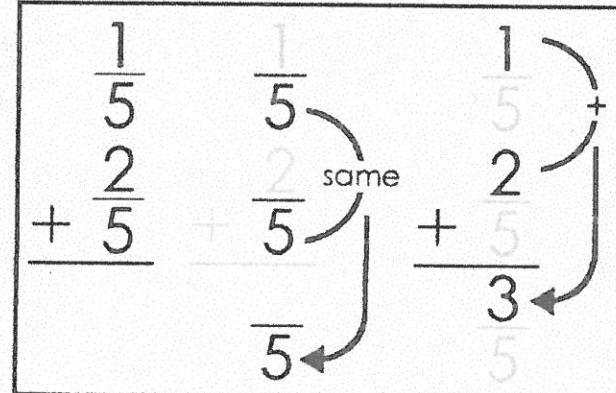
Adding Fractions

with the Same Denominator, No Simplifying

$$\begin{array}{r} \frac{1}{5} \\ \frac{2}{5} \\ + \frac{2}{5} \\ \hline \frac{3}{5} \end{array}$$

1 whole or $\frac{5}{5}$





a.

$$\begin{array}{r} \frac{3}{6} \\ + \frac{2}{6} \\ \hline \end{array}$$

b.

$$\begin{array}{r} \frac{5}{8} \\ + \frac{2}{8} \\ \hline \end{array}$$

c.

$$\begin{array}{r} \frac{1}{4} \\ + \frac{2}{4} \\ \hline \end{array}$$

d.

$$\begin{array}{r} \frac{4}{7} \\ + \frac{2}{7} \\ \hline \end{array}$$

e.

$$\begin{array}{r} \frac{5}{9} \\ + \frac{2}{9} \\ \hline \end{array}$$

f.

$$\begin{array}{r} \frac{4}{12} \\ + \frac{3}{12} \\ \hline \end{array}$$

g.

$$\begin{array}{r} \frac{1}{9} \\ + \frac{3}{9} \\ \hline \end{array}$$

h.

$$\begin{array}{r} \frac{1}{8} \\ + \frac{4}{8} \\ \hline \end{array}$$

i.

$$\begin{array}{r} \frac{3}{5} \\ + \frac{1}{5} \\ \hline \end{array}$$

j.

$$\begin{array}{r} \frac{5}{10} \\ + \frac{2}{10} \\ \hline \end{array}$$

k.

$$\begin{array}{r} \frac{3}{7} \\ + \frac{2}{7} \\ \hline \end{array}$$

l.

$$\begin{array}{r} \frac{1}{3} \\ + \frac{1}{3} \\ \hline \end{array}$$

m.

$$\begin{array}{r} \frac{2}{9} \\ + \frac{3}{9} \\ \hline \end{array}$$

n.

$$\begin{array}{r} \frac{5}{11} \\ + \frac{5}{11} \\ \hline \end{array}$$

o.

$$\begin{array}{r} \frac{1}{10} \\ + \frac{6}{10} \\ \hline \end{array}$$

p.

$$\begin{array}{r} \frac{4}{9} \\ + \frac{3}{9} \\ \hline \end{array}$$

q.

$$\begin{array}{r} \frac{1}{8} \\ + \frac{2}{8} \\ \hline \end{array}$$

r.

$$\begin{array}{r} \frac{4}{11} \\ + \frac{5}{11} \\ \hline \end{array}$$

s.

$$\begin{array}{r} \frac{2}{12} \\ + \frac{3}{12} \\ \hline \end{array}$$

t.

$$\begin{array}{r} \frac{1}{7} \\ + \frac{1}{7} \\ \hline \end{array}$$

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Fractions Worksheet

Complete the following problems. Show all of your work.

1. $7\frac{1}{6} - 7\frac{4}{6} =$

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

3. $5\frac{8}{10} + 9\frac{5}{10} =$

4. $9\frac{4}{9} - 3\frac{8}{9} =$

5. $6\frac{7}{6} + 5\frac{7}{6} =$

6. $8\frac{6}{6} + 6\frac{4}{6} =$

7. $1\frac{9}{10} + 9\frac{4}{10} =$

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

9. $9\frac{5}{5} + 3\frac{4}{5} =$

10. $1\frac{5}{10} + 9\frac{4}{10} =$

11. $8\frac{7}{7} + 1\frac{8}{7} =$

12. $4\frac{2}{9} + 6\frac{7}{9} =$

13. $7\frac{4}{5} + 4\frac{8}{5} =$

14. $6\frac{4}{7} - 9\frac{8}{7} =$

15. $9\frac{6}{7} - 6\frac{3}{7} =$

16. $4\frac{7}{8} + 3\frac{7}{8} =$

17. $4\frac{9}{10} - 3\frac{3}{10} =$

18. $4\frac{2}{6} + 1\frac{9}{6} =$

19. $2\frac{6}{7} + 4\frac{2}{7} =$

20. $2\frac{7}{7} - 4\frac{2}{7} =$

21. $7\frac{2}{7} - 2\frac{9}{7} =$

22. $2\frac{9}{9} + 3\frac{5}{9} =$

23. $9\frac{1}{7} - 6\frac{6}{7} =$

24. $7\frac{6}{9} - 7\frac{3}{9} =$

Name: _____

Adding Fractions

with the Unlike Denominator, Requires Simplifying

$$\begin{array}{r} \frac{1}{3} \\ + \frac{1}{6} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{3} = \frac{2}{6} \\ \frac{1}{6} = \frac{1}{6} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{2}{6} \\ \text{some} \\ \frac{1}{6} \\ \hline \end{array} + \begin{array}{r} 1 \\ \frac{1}{3} \\ \hline \end{array} \quad \begin{array}{r} 2 \\ + \\ 1 \\ \hline 3 \end{array}$$

$$\begin{array}{r} \frac{1}{3} \\ + \frac{1}{6} \\ \hline \end{array} \quad \begin{array}{r} \frac{1}{3} \\ + \frac{1}{6} \\ \hline \end{array} \quad \begin{array}{r} \frac{1}{3} \\ + \frac{1}{6} \\ \hline \end{array} \quad \begin{array}{r} \frac{1}{3} \\ + \frac{1}{6} \\ \hline \end{array}$$
$$\frac{3}{6} = \frac{1}{2}$$

Add the fractions and simplify the answers.

$$\begin{array}{r} \frac{2}{12} \\ + \frac{4}{6} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{4}{8} \\ + \frac{1}{4} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{3}{5} \\ + \frac{2}{10} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{3} \\ + \frac{3}{9} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{2}{10} \\ + \frac{2}{5} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{3}{6} \\ + \frac{2}{12} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{2} \\ + \frac{1}{10} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{6} \\ + \frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{6} \\ + \frac{4}{12} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{4} \\ + \frac{2}{8} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{5} \\ + \frac{2}{10} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{4}{14} \\ + \frac{1}{7} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{4} \\ + \frac{1}{3} \\ + \frac{3}{12} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{2} \\ + \frac{1}{10} \\ + \frac{1}{5} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{14} \\ + \frac{2}{7} \\ + \frac{1}{7} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{8} \\ + \frac{1}{2} \\ + \frac{1}{8} \\ \hline \end{array}$$

Name: _____
www.FreeMathWorksheets.net**Fractions Worksheet**

Complete the following problems. Show all of your work.

1. $\frac{3}{11} - \frac{2}{4} =$

2. $\frac{1}{13} - \frac{6}{8} =$

3. $\frac{7}{14} - \frac{5}{14} =$

4. $\frac{1}{10} - \frac{6}{9} =$

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

6. $\frac{5}{13} - \frac{9}{12} =$

7. $\frac{1}{11} - \frac{3}{4} =$

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

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

10. $\frac{6}{13} + \frac{7}{8} =$

11. $\frac{4}{14} + \frac{1}{9} =$

12. $\frac{6}{7} - \frac{4}{9} =$

13. $\frac{2}{8} + \frac{3}{6} =$

14. $\frac{5}{8} + \frac{3}{3} =$

15. $\frac{5}{9} + \frac{4}{4} =$

16. $\frac{5}{12} + \frac{8}{13} =$

17. $\frac{6}{12} - \frac{2}{6} =$

18. $\frac{6}{15} + \frac{3}{12} =$

19. $\frac{4}{13} + \frac{6}{4} =$

20. $\frac{2}{8} - \frac{4}{4} =$

21. $\frac{8}{7} + \frac{1}{6} =$

22. $\frac{3}{10} - \frac{7}{8} =$

23. $\frac{3}{12} + \frac{6}{9} =$

24. $\frac{3}{13} + \frac{1}{15} =$

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Fractions Worksheet

Complete the following problems. DRAW A MODEL FOR EACH PROBLEM

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

2. $\frac{8}{4} \times \frac{4}{1} =$

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

4. $\frac{9}{4} \times \frac{5}{1} =$

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

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

7. $\frac{1}{1} \times \frac{8}{1} =$

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

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

10. $\frac{6}{1} \times \frac{9}{5} =$

11. $\frac{5}{3} \times \frac{3}{2} =$

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

13. $\frac{3}{3} \times \frac{2}{5} =$

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

15. $\frac{6}{5} \times \frac{6}{1} =$

16. $\frac{8}{5} \times \frac{4}{3} =$

17. $\frac{3}{1} \times \frac{6}{4} =$

18. $\frac{4}{5} \times \frac{3}{5} =$

19. $\frac{8}{5} \times \frac{1}{2} =$

20. $\frac{1}{2} \times \frac{6}{2} =$

21. $\frac{1}{1} \times \frac{6}{5} =$

22. $\frac{5}{1} \times \frac{6}{5} =$

23. $\frac{2}{3} \times \frac{6}{3} =$

24. $\frac{8}{4} \times \frac{8}{5} =$

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Fractions Worksheet

Complete the following problems. Show all of your work.

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

2. $\frac{9}{10} + \frac{2}{10} =$

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

4. $\frac{7}{8} + \frac{8}{8} =$

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

6. $\frac{4}{9} \times \frac{7}{9} =$

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

8. $\frac{5}{1} + \frac{2}{1} =$

9. $\frac{8}{4} \times \frac{6}{4} =$

10. $\frac{3}{8} - \frac{2}{8} =$

11. $\frac{9}{8} \times \frac{1}{8} =$

12. $\frac{9}{7} - \frac{5}{7} =$

13. $\frac{8}{4} + \frac{4}{4} =$

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

15. $\frac{6}{6} \times \frac{1}{6} =$

16. $\frac{1}{3} \times \frac{2}{3} =$

17. $\frac{8}{9} - \frac{6}{9} =$

18. $\frac{8}{1} + \frac{4}{1} =$

19. $\frac{4}{6} \times \frac{4}{6} =$

20. $\frac{1}{7} \times \frac{5}{7} =$

21. $\frac{2}{3} \times \frac{2}{3} =$

22. $\frac{7}{6} \times \frac{4}{6} =$

23. $\frac{2}{7} + \frac{4}{7} =$

24. $\frac{9}{7} \times \frac{8}{7} =$

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Fractions Worksheet

Complete the following problems. Show all of your work.

1. $\frac{1}{7} + \frac{8}{8} =$

2. $\frac{2}{9} \times \frac{4}{10} =$

3. $\frac{6}{7} - \frac{8}{3} =$

4. $\frac{9}{6} + \frac{6}{10} =$

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

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

7. $\frac{2}{2} - \frac{2}{2} =$

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

9. $\frac{6}{6} + \frac{2}{10} =$

10. $\frac{8}{10} - \frac{7}{4} =$

11. $\frac{9}{8} + \frac{8}{9} =$

12. $\frac{3}{10} - \frac{5}{3} =$

13. $\frac{1}{3} - \frac{3}{5} =$

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

15. $\frac{5}{1} - \frac{7}{3} =$

16. $\frac{1}{5} + \frac{8}{2} =$

17. $\frac{6}{3} - \frac{6}{3} =$

18. $\frac{4}{10} - \frac{5}{6} =$

19. $\frac{1}{9} + \frac{5}{10} =$

20. $\frac{1}{5} - \frac{7}{2} =$

21. $\frac{6}{7} + \frac{3}{10} =$

22. $\frac{6}{3} + \frac{9}{4} =$

23. $\frac{7}{3} \times \frac{5}{2} =$

24. $\frac{5}{8} - \frac{3}{5} =$

Name: _____

Camping Adventure

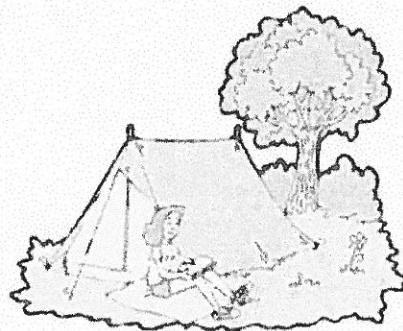
Math Story by Claudette J. Young

Last Saturday Wendy invited five friends for a weekend campout in her backyard. She paced and fretted, waiting for Saturday to arrive. When it did, Wendy's mother took her to the grocery store early that morning.

"We need to buy the food you girls will have on your campout," her mother said.

At the store, they bought:

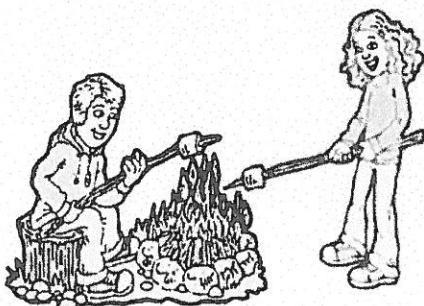
- 16 ounce package of ten hot dogs @ \$1.49
- 11 ounce package of hot dog buns @ \$1.98
- 14.4 ounce package of graham crackers @ \$1.25
- 10 ounce package of marshmallows @ \$1.89
- 39 ounce box of chocolate bars @ \$3.09
- 16 ounce bag of potato chips @ \$3.29



Wendy's mother paid for the food and they left the store to go home.

That evening Wendy and her friends got ready for their cookout. Wendy pulled the food from the cooler and began opening packages. Each paper plate had a hot dog bun waiting to be filled. Six roasting sticks sprouted hot dogs and hovered over low flames in the fire pit.

After the girls ate their first hot dogs, Wendy realized that there were only four hot dogs left. There wasn't enough for everyone to have a second one. She asked how many girls wanted another hot dog and three girls called out. Whew! Those who wanted one could have one.



When Wendy looked at the buns, she found only two buns were left. She told the three girls who readied their roasting sticks that one of them wouldn't have a bun. One girl laughed and said that always happened at her home and she could eat her "dog" without a bun.

When it came time for smores, each girl had two.

Everyone went to sleep that night satisfied with the food, the singing around the campfire, and their friendship.

Name: _____

Camping Adventure

Math Story by Claudette J. Young

Use information from the story to answer the questions.
Show your work in the space to the right.



1. If there were four hot dogs left after each girl had eaten one, how many hot dogs total had been in the package?

answer: _____

2. How many buns had been in a full bag?

answer: _____

3. How much did the food cost with an added \$.72 sales tax?

answer: _____

4. How much change did Wendy's mother receive from \$20.00?

answer: _____

5. How much did the ingredients for the smores weigh?

answer: _____

6. If each girl used one marshmallow per smore, how many marshmallows were used in all?

answer: _____

Name _____

Field Day

Our school is organizing a field day. Each team will consist of 20 students from every grade level. Mixing up the grade levels permits older students to assist younger students during team activities. There are 158 students who will be participating in field day. To identify the different teams, we are borrowing colored pinnies (vests) from a neighboring school. We received them yesterday, all mixed up in a single box. A paper inside indicates how many pinnies of each color are in the box.

Our job is to organize the pinnies so that distributing them to the teams before field day will be easy. We will count out 10 pinnies to make 1 bundle and continue making bundles of 10 until all of each color are organized. This makes distribution of the pinnies to the teams more efficient because we can hand out the pinnies in bundles.

Extension

If 10 pinnies cost \$24.00, and 1 pinny costs \$3.10, how much was spent on each different color of pinny?