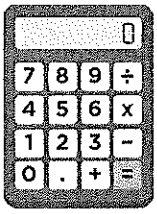
Future Fifth Graders
Summer Math Packet



Dear Future 5th Graders,

This summer math packet will help you practice the skills you learned this year (4th grade) in order to be successful next year. There are 14 pages in this packet. I recommend that you do 2 pages each week. **You will turn this packet into your 5th grade math teacher during the first week back to school!**

It is very important to practice over the summer! We will build upon many skills you've learned in 4th grade. Please make sure you have your math facts memorized in order to make the transition an easier one. (Daily practice on math facts is so beneficial!)

Great websites: SplashMath, ixl.com, Study Island and Khan Academy for more practice sessions throughout the summer!

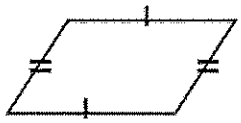
Have a wonderful summer,
Mrs.Oknefski

Facts Practice 1: Multiplication Name: _____

Directions: Set timer for 5 minutes.

6x0=	7x2=	11x5=	10x11=	11x4=
10x11=	9x3=	3x9=	6x11=	7x1=
6x5=	11x4=	4x5=	6x9=	6x8=
4x11=	9x2=	5x2=	10x4=	5x2=
2x1=	7x8=	4x6=	11x5=	6x10=
3x6=	11x8=	2x3=	9x5=	5x7=
5x2=	11x6=	5x0=	4x9=	11x2=
4x7=	9x8=	7x8=	4x8=	9x8=
5x5=	11x9=	10x3=	5x6=	8x4=
3x5=	9x1=	4x8=	12x11=	10x9=

Skills Practice 1

1. 34 x 28	2. 999 + 813	3. Solve the expression. Use Order of Operations $6 \times 7 - 8 \div 4$
4. List the first 5 multiples of: **2:**_____ **4:**_____ **6:**_____	5. Use the distributive property to solve: distribute the 9 Example $9 \times (4 + 11)$ $(9 \times 4) + (9 \times 11)$ $36 + 99$ 135	6. Name the rule and list the next three terms in the pattern. 61, 55, 49, 43, 37 ...
7. Write two equivalent fractions for each fraction. $\frac{2}{3} =$ $\frac{3}{5} =$	8. Write each improper fraction as a mixed number. $\frac{37}{5} =$ $\frac{19}{4} =$	9. Solve: 19.78 + 4.6 = _____
10. Classify in as many ways possible.  ① _____ ② _____	11. Fill in the blanks. _____ inches = 3 feet _____ feet = 6 yards	12. How much time has elapsed? 10:40 P.M. to 1:40 A.M.
13. What is the degree measure of the angle? 	14. Find the area and perimeter. A = L x W 5 cm 1 cm Area: _____ Perimeter: _____	15. Sarah has 4 notebooks. Each notebook has 205 pages. How many pages are there in all?

Facts Practice 2: Division

Directions: Set timer for 5 minutes.

1. $96 \div 12 =$ ☐

2. $9 \div 1 =$ ☐

3. $54 \div 6 =$ ☐

4. $80 \div 10 =$ ☐

5. $72 \div 6 =$ ☐

6. $15 \div 3 =$ ☐

7. $50 \div 10 =$ ☐

8. $70 \div 7 =$ ☐

9. $32 \div 4 =$ ☐

10. $90 \div 9 =$ ☐

11. $9 \div 9 =$ ☐

12. $2 \div 2 =$ ☐

13. $30 \div 6 =$ ☐

14. $22 \div 2 =$ ☐

15. $72 \div 9 =$ ☐

16. $30 \div 10 =$ ☐

17. $99 \div 11 =$ ☐

18. $120 \div 12 =$ ☐

19. $100 \div 10 =$ ☐

20. $20 \div 5 =$ ☐

21. $8 \div 8 =$ ☐

22. $9 \div 9 =$ ☐

23. $11 \div 11 =$ ☐

24. $10 \div 10 =$ ☐

25. $8 \div 1 =$ ☐

26. $66 \div 11 =$ ☐

27. $110 \div 11 =$ ☐

28. $11 \div 1 =$ ☐

29. $9 \div 9 =$ ☐

30. $54 \div 9 =$ ☐

31. $56 \div 7 =$ ☐

32. $36 \div 4 =$ ☐

33. $16 \div 2 =$ ☐

34. $132 \div 12 =$ ☐

35. $22 \div 11 =$ ☐

36. $28 \div 7 =$ ☐

37. $48 \div 6 =$ ☐

38. $120 \div 10 =$ ☐

39. $132 \div 12 =$ ☐

40. $50 \div 5 =$ ☐

41. $35 \div 7 =$ ☐

42. $24 \div 8 =$ ☐

43. $77 \div 7 =$ ☐

44. $72 \div 6 =$ ☐

45. $5 \div 5 =$ ☐

46. $10 \div 10 =$ ☐

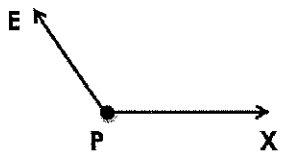
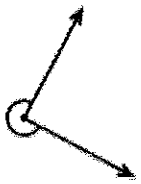
47. $2 \div 1 =$ ☐

48. $110 \div 10 =$ ☐

49. $10 \div 10 =$ ☐

50. $12 \div 4 =$ ☐

Skills Practice 2

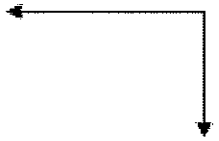
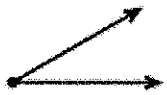
1. $179 \div 4 =$ _____	2. 70,076 - 5,895	3. Solve the expression. Use Order of Operations 3 x 20 - 5
4. List the factors of: 21: _____ 7: _____	5. Use the distributive property to solve: 3 x (8 + 12)	6. Name the rule and list the next three terms in the pattern. 10, 18, 26, 34, 42 ...
7. Write each fraction in simplest form. $\frac{3}{12} =$ $\frac{4}{10} =$	8. Write each decimal: sixty-five and four thousandths _____ one hundred two and two hundredths _____	9. Solve: 6.76 – 0.3 = _____
10.  Name the angle: _____ What type of angle is it? _____	11. Fill in the blanks. _____ inches = 2 yards _____ feet = 1 mile	12. Find the missing number. 60 x _____ = 2,400
13. What fraction of a turn is this angle? 	14. Find the area and perimeter. 7 in 2 in 	15. Find the mean, median, and mode. 4, 5, 2, 4, 6, 3 mean: _____ median: _____ mode: _____

Facts Practice 3: Multiplication

Directions: Set timer for 5 minutes.

7x7=	11x7=	12x4=	9x11=	9x9=
6x9=	1x5=	4x8=	10x10=	8x6=
3x6=	11x11=	1x7=	11x9=	9x10=
4x7=	5x5=	1x2=	3x11=	10x8=
6x8=	3x8=	10x12=	4x10=	9x9=
1x4=	7x5=	4x11=	8x4=	4x9=
7x4=	9x2=	3x4=	4x9=	10x5=
3x11=	7x10=	7x9=	5x10=	10x4=
9x9=	3x11=	1x3=	0x5=	9x5=
12x5=	5x10=	8x9=	5x8=	7x8=

Skills Practice 3

1. 827 x 32	2. 1,675 + 1,092	3. Solve the expression. Use Order of Operations $(24+2)\div 2$
4. List the first 5 multiples of: **3:**_____ **5:**_____ **7:**_____	5. Use the distributive property to solve: $4 \times (10 + 7)$	6. Name the rule and list the next three terms in the pattern. 5, 4, 8, 7, 14...
7. Write the fractions as fractions with a common dominator. $\frac{3}{4}$ and $\frac{1}{3}$	8. Write each decimal in word form. 302.78_____ _____ 15.023_____ _____	9. Solve: 14.2 + 0.23 = _____
10. Name the type of angle. 	11. Fill in the blanks. 20 quarts = _____ gallons 7 tons = _____ pounds	12. How much time has elapsed? 2:20 P.M. to 5:57 P.M.
13.  What is the best estimate for the measure of this angle? 80°, 120°, or 30°	14. Find the area and perimeter. 5 cm 4 cm 	15. Carl put 42 cards into equal stacks of 7. How many stacks did he make?

Facts Practice 4: Division

Directions: Set timer for 5 minutes.

1. $15 \div 5 =$ ☐

2. $72 \div 12 =$ ☐

3. $12 \div 12 =$ ☐

4. $22 \div 11 =$ ☐

5. $120 \div 12 =$ ☐

6. $3 \div 3 =$ ☐

7. $20 \div 4 =$ ☐

8. $2 \div 2 =$ ☐

9. $10 \div 2 =$ ☐

10. $66 \div 11 =$ ☐

11. $132 \div 12 =$ ☐

12. $24 \div 3 =$ ☐

13. $12 \div 4 =$ ☐

14. $50 \div 5 =$ ☐

15. $27 \div 3 =$ ☐

16. $132 \div 11 =$ ☐

17. $11 \div 11 =$ ☐

18. $54 \div 6 =$ ☐

19. $48 \div 6 =$ ☐

20. $9 \div 1 =$ ☐

21. $6 \div 6 =$ ☐

22. $120 \div 12 =$ ☐

23. $20 \div 4 =$ ☐

24. $3 \div 3 =$ ☐

25. $12 \div 2 =$ ☐

26. $60 \div 10 =$ ☐

27. $28 \div 7 =$ ☐

28. $60 \div 12 =$ ☐

29. $22 \div 2 =$ ☐

30. $33 \div 3 =$ ☐

31. $6 \div 1 =$ ☐

32. $20 \div 4 =$ ☐

33. $6 \div 6 =$ ☐

34. $121 \div 11 =$ ☐

35. $81 \div 9 =$ ☐

36. $18 \div 3 =$ ☐

37. $48 \div 8 =$ ☐

38. $18 \div 9 =$ ☐

39. $72 \div 8 =$ ☐

40. $22 \div 11 =$ ☐

41. $100 \div 10 =$ ☐

42. $6 \div 1 =$ ☐

43. $132 \div 12 =$ ☐

44. $6 \div 6 =$ ☐

45. $72 \div 9 =$ ☐

46. $2 \div 1 =$ ☐

47. $20 \div 2 =$ ☐

48. $72 \div 12 =$ ☐

49. $40 \div 5 =$ ☐

50. $72 \div 6 =$ ☐

Skills Practice 4

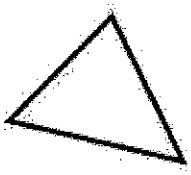
1. $2{,}783 \div 5 =$ _____	2. $\begin{array}{r} 1{,}002 \\ -\quad 99 \\ \hline \end{array}$	3. Solve the expression. Use Order of Operations $18 \div 2 + 4$
4. List the factors of: 9: _____ 33: _____	5. Use the distributive property to solve: $6 \times (12 + 8)$	6. Name the rule and list the next three terms in the pattern. 56, 67, 78, 89, 100 ...
7. Compare using <, >, or =. $\frac{4}{9}$ ____ $\frac{5}{10}$ $\frac{2}{3}$ ____ $\frac{1}{5}$	8. Compare using <, >, or =. 0.67 _____ 0.6 3.28 _____ 3.289	9. Solve: 67 – 0.2 = _____
10. Parallel, perpendicular, or intersecting? 	11. Fill in the blanks. 72 inches = _____ feet 4 pounds = _____ ounces	12. 500,000 + 30,000 + 400 +20 + 7 = _____
13.  What is the best estimate for the measure of this angle? 80°, 120°, or 30°	14. Find the area and perimeter. 20 ft 4 ft 	15. Susie used 0.75 cup of sugar in a batch of brownies. What fraction of a cup did she use?

Facts Practice 5: Multiplication

Directions: Set timer for 5 minutes.

7x3=	0x2=	1x6=	6x4=	9x4=
6x11=	10x2=	11x3=	11x8=	11x1=
8x10=	3x6=	3x0=	11x5=	11x11=
10x12=	10x10=	2x5=	6x5=	7x1=
8x1=	1x7=	3x1=	2x6=	8x5=
9x8=	5x0=	8x2=	1x0=	10x6=
2x6=	8x11=	6x1=	10x9=	6x11=
9x7=	12x7=	10x1=	6x0=	9x10=
9x4=	5x7=	5x4=	11x5=	4x9=
7x0=	5x6=	4x8=	1x1=	12x2=

Skills Practice 5

1. $\begin{array}{r} 59 \\ \times\ 8 \\ \hline \end{array}$	2. $\begin{array}{r} 123{,}192 \\ +\ \ 9{,}585 \\ \hline \end{array}$	3. Solve the expression. Use Order of Operations $9 \times (3-1)$
4. List the first 5 multiples of: **8:**_____ **9:**_____ **10:**_____	5. Use the distributive property to solve: $6 \times (11 + 5)$	6. Name the rule and list the next three terms in the pattern. 10, 20, 18, 36, 34...
7. Solve. $1 - \frac{1}{5} =$	8. Order the decimals from least to greatest. 38.09; 308.90; 38.04; 38.90	9. Solve: 783.4 + 46.374 = _____
10. Draw and label: ray LM	11. Fill in the blanks. 2 miles = _____ feet 20 pints = _____ quarts	12. How much time has elapsed? 3:00 A.M. to 7:14 A.M.
 13. Classify the triangle as acute, obtuse, or right.	14. Find the area and perimeter. 12 in 4 in 	15. Willy has 1,850 crayons. Lucy has 739 crayons. How many more crayons does Willy have than Lucy?

Facts Practice 6: Division

Directions: Set timer for 5 minutes.

1. $6 \div 2 =$ ☐

2. $36 \div 9 =$ ☐

3. $81 \div 9 =$ ☐

4. $63 \div 9 =$ ☐

5. $30 \div 10 =$ ☐

6. $12 \div 12 =$ ☐

7. $27 \div 9 =$ ☐

8. $72 \div 12 =$ ☐

9. $27 \div 3 =$ ☐

10. $30 \div 6 =$ ☐

11. $64 \div 8 =$ ☐

12. $132 \div 12 =$ ☐

13. $36 \div 4 =$ ☐

14. $40 \div 5 =$ ☐

15. $7 \div 7 =$ ☐

16. $9 \div 9 =$ ☐

17. $9 \div 3 =$ ☐

18. $66 \div 11 =$ ☐

19. $96 \div 12 =$ ☐

20. $100 \div 10 =$ ☐

21. $6 \div 6 =$ ☐

22. $6 \div 3 =$ ☐

23. $15 \div 5 =$ ☐

24. $44 \div 11 =$ ☐

25. $35 \div 5 =$ ☐

26. $63 \div 7 =$ ☐

27. $15 \div 3 =$ ☐

28. $108 \div 12 =$ ☐

29. $5 \div 5 =$ ☐

30. $32 \div 8 =$ ☐

31. $108 \div 12 =$ ☐

32. $16 \div 4 =$ ☐

33. $90 \div 9 =$ ☐

34. $15 \div 5 =$ ☐

35. $12 \div 12 =$ ☐

36. $70 \div 7 =$ ☐

37. $9 \div 9 =$ ☐

38. $45 \div 9 =$ ☐

39. $1 \div 1 =$ ☐

40. $30 \div 10 =$ ☐

41. $96 \div 12 =$ ☐

42. $24 \div 3 =$ ☐

43. $121 \div 11 =$ ☐

44. $144 \div 12 =$ ☐

45. $8 \div 2 =$ ☐

46. $40 \div 10 =$ ☐

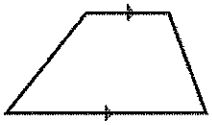
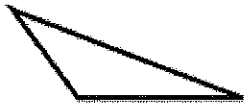
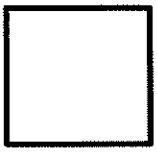
47. $72 \div 9 =$ ☐

48. $20 \div 10 =$ ☐

49. $36 \div 9 =$ ☐

50. $9 \div 9 =$ ☐

Skills Practice 6

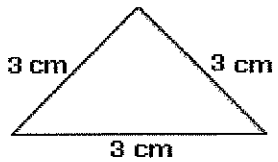
1. $932 \div 3 =$ _____	2. 121,192 - 3,485	3. Solve the expression. Use Order of Operations $21 \div 3 + (3 \times 9)$
4. List the factors of: 12: _____ 30: _____	5. Use the distributive property to solve: $7 \times (9 + 9)$	6. Name the rule and list the next three terms in the pattern. 2, 4, 8, 16, 32...
7. Solve. $\frac{6}{10} + \frac{5}{10} =$	8. Write the number as tenths in fraction form and decimal form. $\frac{40}{100} =$	9. Solve: 18.237 - 15= _____
10. Classify in as many ways possible. 	11. Compare using <, >, or =. 12 cups _____ 4 pints 5 yards _____ 20 feet	12. Round to the nearest thousand place. 4,799 _____ 12,200 _____ 15,231_____
13.  Classify the triangle as acute, obtuse, or right.	14. Find the area and perimeter. 15 in 15 in 	15. On Monday, 395 students went on a trip to the zoo. All 9 buses were filled and 8 students had to travel in cars. How many students were in each bus ?

Facts Practice 7: Multiplication

Directions: Set timer for 5 minutes.

7x5=	0x4=	4x6=	8x2=	4x1=
12x5=	12x1=	8x2=	7x1=	1x9=
4x4=	11x1=	7x1=	1x3=	4x7=
8x10=	3x8=	3x8=	9x8=	2x3=
5x4=	10x9=	10x2=	5x10=	8x9=
10x11=	0x1=	7x7=	2x2=	4x11=
12x6=	5x11=	4x11=	10x1=	8x6=
8x7=	1x1=	8x4=	8x3=	7x5=
3x7=	2x10=	4x6=	1x4=	11x6=
6x10=	10x12=	12x5=	5x6=	5x7=

Skills Practice 7

1. $\begin{array}{r} 527 \\ \times\ 14 \\ \hline \end{array}$	2. $\begin{array}{r} 338{,}289 \\ +\ \ 3{,}784 \\ \hline \end{array}$	3. Solve the expression. Use Order of Operations $36 \div 9 + 48 - 10 \div 2$
4. Prime or Composite? 9:_____ 33: _____	5. Use the distributive property to solve: $2 \times (3 + 10)$	6. Name the rule and list the next three terms in the pattern. 28, 20, 24, 16, 20...
7. Order from least to greatest. $\frac{3}{8}, \frac{1}{4}, \frac{1}{2}$	8. Write the number as hundredths in fraction form and decimal form. $\frac{7}{10} =$	9. Solve: 348.09 + 0.05 = _____
10. Classify in as many ways possible. 	11. Compare using <, >, or =. 2 tons_____ 4,000 pounds 3 quarts _____ 8 pints	12. How much time has elapsed? 7:20 A.M. to 9:49 A.M.
13.  Classify the triangle by its sides and angles.	14. Find the area and perimeter. 5 ft 3 ft 	15. Ben and Michael are brothers. Ben is four times as old as Michael, and their combined ages is 25. How old is Ben?

Facts Practice 8: Division

Directions: Set timer for 5 minutes.

1. $55 \div 11 =$

2. $110 \div 11 =$

3. $35 \div 7 =$

4. $45 \div 5 =$

5. $40 \div 5 =$

6. $5 \div 5 =$

7. $96 \div 12 =$

8. $8 \div 2 =$

9. $121 \div 11 =$

10. $10 \div 2 =$

11. $110 \div 10 =$

12. $1 \div 1 =$

13. $54 \div 6 =$

14. $10 \div 1 =$

15. $40 \div 5 =$

16. $24 \div 3 =$

17. $3 \div 1 =$

18. $27 \div 3 =$

19. $7 \div 1 =$

20. $12 \div 2 =$

21. $35 \div 7 =$

22. $16 \div 4 =$

23. $70 \div 7 =$

24. $77 \div 7 =$

25. $24 \div 12 =$

26. $10 \div 2 =$

27. $11 \div 1 =$

28. $28 \div 7 =$

29. $4 \div 2 =$

30. $1 \div 1 =$

31. $44 \div 11 =$

32. $33 \div 11 =$

33. $6 \div 3 =$

34. $40 \div 4 =$

35. $35 \div 5 =$

36. $72 \div 12 =$

37. $50 \div 10 =$

38. $3 \div 1 =$

39. $36 \div 4 =$

40. $72 \div 6 =$

41. $80 \div 8 =$

42. $48 \div 8 =$

43. $99 \div 11 =$

44. $72 \div 6 =$

45. $14 \div 7 =$

46. $108 \div 12 =$

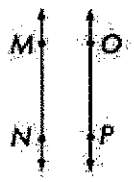
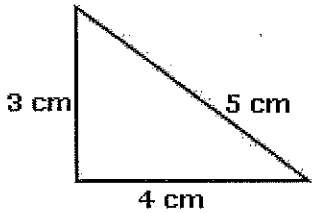
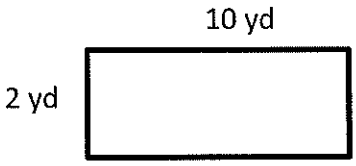
47. $60 \div 10 =$

48. $40 \div 4 =$

49. $8 \div 4 =$

50. $10 \div 5 =$

Skills Practice 8

1. $502 \div 5 =$ _____	2. 982,274 - 229,882	3. Solve the expression. Use Order of Operations $8 \times 3 + 70 \div 7 - 7$
4. Prime or Composite? 12:_____ 7: _____	5. Use the distributive property to solve: $3 \times (8 + 4)$	6. Name the rule and list the next three terms in the pattern. 1, 1, 2, 3, 5, 8, 13...
7. Write the mixed numbers as improper fractions. $4\frac{1}{3} =$ $7\frac{2}{10} =$	8. Write the fraction as a money amount. $\frac{4}{100} =$	9. Solve: 30 - 0.56 = _____
10. Parallel, perpendicular, or intersecting? 	11. Fill in the blank. 2 cups = _____ fluid ounces 4 feet = _____ inches	12. The value of the 1 in 154,985 is _____
 13. Classify the triangle by its sides and angles.	14. Find the area and perimeter. 	15. Anna's dad is 36. He is 9 times as old as she is. How old is Anna?

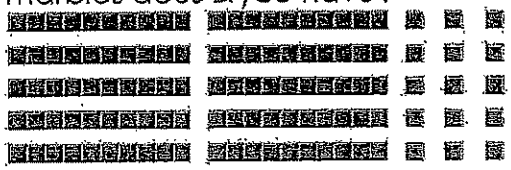
Practice 9

176 + 24 + 369 + 51 =	902,005 – 63125 =
$78.25 + $29.25 =	$542.65 - $66.25 =
23589 + 5689	65489 - 989
5687 568 + 478	500.00 - 89.45
Mary bought a shirt for $23.56 and a skirt for $29.66. How much did she spend? If she paid with a $100, then how much change did she get back?	John spent $80.56 at the store. He purchased two items. The shirt he purchased cost $30.86. How much was the price of the second item?

Summer Lesson 9

Write a **multiplication sentence** for the problem.

Bryce has 5 bags of marbles. Each bag contains 23 marbles. How many marbles does Bryce have?



_____ x _____ = _____

Complete each **multiplication** or use mental math.

7 x 4 tens = _____

6 x 2 hundred = _____

5 x 2 thousands = _____

700	40
x 8	x 9

Multiply with regrouping.

54	78
x 8	x 3

Estimate to the largest place and multiply.

593	1,473
x 4	x 6

Multiply 3 digit numbers by 1 digit.

528	842
x 6	x 9

Multiply money and write the decimal point and dollar sign.

$7.32	$6.15
x 4	x 18

Multiply 4 digit numbers by 1 digit.

6287	3254
x 3	x 7

Estimate each product by **rounding** each factor to the greatest place.

31	$5.67
x 36	x 24

Multiply by 2 digit numbers.

22	81
x 34	x 68

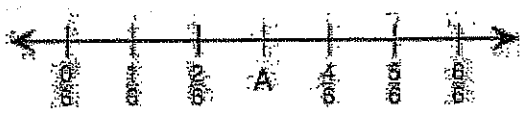
Multiply with 3 digit numbers.

923	403
x 37	x 56

Find the **value** of the variable. $8 = 64 \div r$ $r =$ _____ $p \times 5 = 30$ $p =$ _____ $56 \div f = 8$ $f =$ _____	Find the **rule** and continue the **pattern**. 6, 12, 18, 24, _____, _____, _____ rule: _____ 12, 6, 16, 8, 18, _____, _____ rule: _____
Divide to find the 1 digit quotients. $42 \div 8 =$ _____ $27 \div 5 =$ _____	**Divide** to find the 2 digit quotient. $91 \div 7 =$ _____ $83 \div 3 =$ _____
Divide to find the 3 digit quotient. $\$6.25 \div 5 =$ _____ $978 \div 8 =$ _____	**Divide** with zeros in the quotient. $605 \div 6 =$ _____ $734 \div 7 =$ _____
Divide with larger numbers. $9219 \div 3 =$ _____ $\$87.64 \div 7 =$ _____	Use the **order of operations** to solve. PEMDAS $12 - 4 + 6 \times 3 =$ _____ $6 \times 4 - 12 \div 2 =$ _____
Interpret the **remainder** to solve. Pizzas are to be cut into 8 slices. How many pizzas are needed to serve one slice to each of 185 people? _____ pizzas	Interpret the **remainder** to solve. If a table seats 7, what is the least number of tables needed to seat 155 people? _____ tables

Summer Lesson

10

Write each as a **fraction** or **mixed number.** Three eighths _____ Four and two tenths _____	Write the fraction **represented** by the A.  A = _____
Write whether each fraction is **closer** to 0, ½, or 1. $\frac{1}{8}$ _____ $\frac{5}{6}$ _____	Write the **equivalent** fraction. $\frac{4}{6} = \frac{\quad}{12}$ $\frac{2}{3} = \frac{6}{\quad}$
List all the **common factors** and circle the **GCF.** 8 and 10 _____ 18, 27, and 36 _____	Write each fraction in **lowest** terms. $\frac{8}{12}$ = _____ $\frac{9}{63}$ = _____
Compare fractions using <, >, or =. $\frac{3}{6}$ _____ $\frac{14}{24}$ $\frac{7}{8}$ _____ $\frac{1}{4}$	Write in order from **least to greatest.** $\frac{1}{8}, \frac{3}{16}, \frac{7}{8}$ _____ $\frac{1}{2}, \frac{4}{6}, \frac{5}{6}$ _____
Problem **solving.** Marci ate 1/6 of the apricots, Joe ate 1/2 , and Phil ate 1/3. Who ate the most apricots? _____	Problem **solving.** Two fifths of the students in Ms. Walsh's third grade class are girls. Are there more girls than boys? _____

Practice 11

Changing improper fractions to mixed numbers

Change this improper fraction to a mixed number. (Remember you may need to cancel.)

simplify ↑

$\frac{27}{12} = 2\frac{3}{12} = 2\frac{1}{4}$

12 | 27 | 24 | 3 | $2\frac{3}{12}$

Change these mixed numbers to improper fractions.

MAD - Multiply, Add, Denominator

$2\frac{3}{4} = \frac{11}{4}$ $\quad 4\frac{1}{2} = \frac{9}{2}$

Change these improper fractions to mixed numbers.

$\frac{25}{3} =$	$\frac{15}{12} =$	$\frac{40}{7} =$
$\frac{17}{6} =$	$\frac{11}{9} =$	$\frac{12}{5} =$
$\frac{27}{5} =$	$\frac{26}{3} =$	$\frac{32}{5} =$
$\frac{9}{2} =$	$\frac{19}{2} =$	$\frac{15}{4} =$
$\frac{30}{4} =$	$\frac{26}{8} =$	$\frac{42}{9} =$

Change these mixed numbers to improper fractions.

$4\frac{3}{4} =$	$9\frac{1}{2} =$	$12\frac{1}{4} =$
$3\frac{2}{3} =$	$6\frac{3}{4} =$	$3\frac{9}{10} =$
$5\frac{1}{8} =$	$3\frac{2}{5} =$	$2\frac{5}{6} =$
$5\frac{1}{4} =$	$3\frac{3}{8} =$	$2\frac{11}{12} =$
$2\frac{7}{10} =$	$4\frac{3}{10} =$	$4\frac{1}{8} =$
$7\frac{3}{4} =$	$8\frac{1}{2} =$	$1\frac{5}{12} =$

Practice 11

Add or **subtract** fractions with like denominators.

$\frac{6}{10} - \frac{3}{10} =$ _____

$\frac{5}{9} + \frac{2}{9} =$ _____

Write as a **whole number** or **mixed number** in simplest form.

$\frac{27}{9}$ _____

$\frac{18}{4}$ _____

Find the **difference** in simplest form.

$\frac{7}{8} - \frac{1}{4} =$ _____

$\frac{5}{8} + \frac{2}{16} =$ _____

Find the **sum** in simplest form.

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

$\frac{4}{9} + \frac{1}{3} =$ _____

Write the least common multiple or **LCM** for each set of numbers.

3, 5, 6 _____

2, 4, 5 _____

Find the **sum** in simplest form.

$1\frac{5}{9} + 2\frac{1}{9} =$ _____

Find the **difference** in simplest form.

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

Find the **probability** of each event.

There are 4 red marbles, 2 black marbles, and 2 green marbles in a box.

P (red) = _____

P (red or black) = _____

Find the **part** of each number.

¼ of 8 = _____

$^2/_5$ of 20 = _____

$^4/_7$ of 28 = _____

Problem **solving**.

Of 32 apples ¼ are red. How many are NOT red?

_____ apples

Practice 12

Converting fractions and decimals

Write these fractions as decimals.

$\frac{7}{10}$ = 0.7

"say, "seven tenths"

$\frac{3}{100}$ = 0.03

Write these fractions as decimals.

0.2 = $\frac{2}{10}$ = $\frac{1}{5}$

0.47 = $\frac{47}{100}$

Write these fractions as decimals. (Say it)

Example

$\frac{3}{10}$ = 0.3 $\quad$ $\frac{7}{10}$ = $\quad$ $\frac{9}{10}$ =

$\frac{2}{10}$ = $\quad$ $\frac{1}{10}$ = $\quad$ $\frac{6}{10}$ =

$\frac{1}{2}$ = = $\quad$ $\frac{8}{10}$ = $\quad$ $\frac{4}{10}$ =

Write these decimals as fractions.

0.1 = $\frac{1}{\quad}$ $\quad$ 0.2 = $\frac{2}{\quad}$ = $\frac{1}{\quad}$ $\quad$ 0.3 = $\frac{3}{\quad}$

0.4 = $\frac{4}{\quad}$ = $\frac{2}{\quad}$ $\quad$ 0.5 = $\frac{5}{\quad}$ = $\frac{1}{\quad}$ $\quad$ 0.6 = $\frac{6}{\quad}$ = $\frac{3}{\quad}$

0.7 = $\frac{7}{\quad}$ $\quad$ 0.8 = $\frac{8}{\quad}$ = $\frac{4}{\quad}$ $\quad$ 0.9 = $\frac{9}{\quad}$

Change these fractions to decimals.

$\frac{1}{100}$ = $\quad$ $\frac{3}{100}$ = $\quad$ $\frac{7}{100}$ =

$\frac{15}{100}$ = $\quad$ $\frac{25}{100}$ = $\quad$ $\frac{49}{100}$ =

$\frac{24}{100}$ = $\quad$ $\frac{56}{100}$ = $\quad$ $\frac{72}{100}$ =

Change these decimals to fractions.

0.39 = $\quad$ 0.47 = $\quad$ 0.21 =

0.83 = $\quad$ 0.91 = $\quad$ 0.73 =

0.51 = $\quad$ 0.43 = $\quad$ 0.17 =

Practice 12

Adding fractions

Write the sum in the simplest form.

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

Write the sum in the simplest form.

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

$\frac{1}{4}+\frac{1}{4}=$ $\frac{5}{7}+\frac{1}{7}=$

$\frac{2}{3}+\frac{2}{3}=$ $\frac{1}{12}+\frac{3}{12}=$

$\frac{3}{7}+\frac{5}{7}=$ $\frac{5}{11}+\frac{9}{11}=$

$\frac{2}{5}+\frac{4}{5}=$ $\frac{5}{18}+\frac{4}{18}=$

$\frac{5}{16}+\frac{7}{16}=$ $\frac{5}{9}+\frac{5}{9}=$

$\frac{3}{8}+\frac{5}{8}=$ $\frac{4}{15}+\frac{7}{15}=$

$\frac{7}{13}+\frac{8}{13}=$ $\frac{2}{5}+\frac{1}{5}=$

$\frac{5}{16}+\frac{7}{16}=$ $\frac{1}{6}+\frac{5}{6}=$

$\frac{9}{10}+\frac{7}{10}=$ $\frac{3}{4}+\frac{3}{4}=$

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

$\frac{7}{12}+\frac{5}{12}=$ $\frac{3}{10}+\frac{9}{10}=$

$\frac{3}{11}+\frac{5}{11}=$ $\frac{9}{15}+\frac{11}{15}=$

$\frac{8}{14}+\frac{5}{14}=$ $\frac{1}{20}+\frac{6}{20}=$

Summer Lesson

13

Write the **place** and **value** of the underlined digits.

	PLACE	VALUE
46,2<u>1</u>4	_____	_____
<u>8</u>,235,214	_____	_____
5,2<u>0</u>0,874	_____	_____

Write in **standard** form.

Twenty-one thousand, seven hundred eleven

_____

8000 + 50 + 3

_____

Add/subtract money.

$16.90 + $26.54

$259.65 - $ 65.32

Multiply.

648 x 67 =_____

45 x 15 = _____

Find the number that comes between.

50 and 150 _____

150 and 250 _____

Given:

$$6\overline{)42} = 7$$

What is the **divisor**? _____

What is the **dividend**? _____

What is the **quotient**? _____

Write in **expanded** form.

548,635

_____

Practice 13

Add.

$$\begin{array}{r} 37 \\ 65 \\ 58 \\ +12 \\ \hline \end{array} \qquad \begin{array}{r} 3589 \\ 8336 \\ 4528 \\ +7361 \\ \hline \end{array}$$

Problem **solving.**

The orchard has 17 rows of peach trees. There are 16 trees in each row. Does the orchard have more than 300 peach trees?

_____

Compare. Use <,>, or =.

15,458 _____ 15,587 $11.52 _____ $11.25

Write in **expanded** form.

548,635

_____

Divide and **check.**

3 ⟌ 25 7 ⟌ 87

Rounding to the underlined digit.

$6̲5.24 _____

1̲48,361 _____

Problem **solving.**

A fence around the orchard is 894 feet long. Every foot of fencing has 3 posts. How many posts are in the fence?

_____

Write in order from **least** to **greatest.**

$24.25 ; $24.16 ; $24.52 ; $24.61

_____

Write the value of the **change** you would receive.

Cost: $2.79
Amount given: $5.00

_____

Estimate by **rounding** to the greatest place.

42 + 56 = _____

5219 – 658 = _____

Summer Lesson 4

Write: 40 + 2 + .09 + 0.07 in standard form	Write: 205.6 in standard form
Write: 84.73 in expanded form	Write: 53.96 expanded form
Given: 11.38 What is the place and value of the 8? Place:_____ Value: _____	Given: 170.64 What is the place and value of the 6? Place:_____ Value: _____
Order the following from least to greatest: 6.7 ; 6.77 ; 6.07 ; 7.67	Order the following from least to greatest: 44 ; 4.04 ; 40.4 ; 44.04
Round 2.20 to the nearest tenth.	Round 71.18 to the nearest one.

Practice 14

$0.9 + 2.9 + 2.86 =$	$10.23 - 6.84 =$
$62 + 0.8 + 22.6 =$	$40.6 - 0.95 =$
$\begin{array}{r} 17.54 \\ +\ 5.9 \\ \hline \end{array}$	$\begin{array}{r} 92.1 \\ -\ 6.54 \\ \hline \end{array}$
$\begin{array}{r} 92.3 \\ 48.05 \\ +\ 18.39 \\ \hline \end{array}$	$\begin{array}{r} 58 \\ -\ 9.09 \\ \hline \end{array}$
Val ran the first 100 meters of a 200-meter dash in 15.34 seconds. She ran the next 100 meters in 16.9 seconds. What was Val's time in the 200 meter dash?	Jake was taking a tip from Dallas to San Antonio. The total distance of the trip is 274 miles. After driving 107 miles he stopped for lunch. How much farther does he have to go to reach San Antonio?

Name: Date:

Math Drills

Multiply by 1

$1 \times 1 =$ ____
$1 \times 2 =$ ____
$1 \times 3 =$ ____
$1 \times 4 =$ ____
$1 \times 5 =$ ____
$1 \times 6 =$ ____
$1 \times 7 =$ ____
$1 \times 8 =$ ____
$1 \times 9 =$ ____
$1 \times 10 =$ ____
$1 \times 11 =$ ____
$1 \times 12 =$ ____

Start Time: Score:

End Time:

Name: Date:

Math Drills

Multiply by 2

$2 \times 1 =$ ____
$2 \times 2 =$ ____
$2 \times 3 =$ ____
$2 \times 4 =$ ____
$2 \times 5 =$ ____
$2 \times 6 =$ ____
$2 \times 7 =$ ____
$2 \times 8 =$ ____
$2 \times 9 =$ ____
$2 \times 10 =$ ____
$2 \times 11 =$ ____
$2 \times 12 =$ ____

Start Time: Score:

End Time:

Name: Date:

Math Drills

Multiply by 3

$3 \times 1 =$ ____
$3 \times 2 =$ ____
$3 \times 3 =$ ____
$3 \times 4 =$ ____
$3 \times 5 =$ ____
$3 \times 6 =$ ____
$3 \times 7 =$ ____
$3 \times 8 =$ ____
$3 \times 9 =$ ____
$3 \times 10 =$ ____
$3 \times 11 =$ ____
$3 \times 12 =$ ____

Start Time: Score:

End Time:

Name: Date:

Math Drills

Multiply by 4

$4 \times 1 =$ ____
$4 \times 2 =$ ____
$4 \times 3 =$ ____
$4 \times 4 =$ ____
$4 \times 5 =$ ____
$4 \times 6 =$ ____
$4 \times 7 =$ ____
$4 \times 8 =$ ____
$4 \times 9 =$ ____
$4 \times 10 =$ ____
$4 \times 11 =$ ____
$4 \times 12 =$ ____

Start Time: Score:

End Time:

Name: Date:

Math Drills

Multiply by 5

$5 \times 1 =$ ____
$5 \times 2 =$ ____
$5 \times 3 =$ ____
$5 \times 4 =$ ____
$5 \times 5 =$ ____
$5 \times 6 =$ ____
$5 \times 7 =$ ____
$5 \times 8 =$ ____
$5 \times 9 =$ ____
$5 \times 10 =$ ____
$5 \times 11 =$ ____
$5 \times 12 =$ ____

Start Time: Score:

End Time:

Name: Date:

Math Drills

Multiply by 6

$6 \times 1 =$ ____
$6 \times 2 =$ ____
$6 \times 3 =$ ____
$6 \times 4 =$ ____
$6 \times 5 =$ ____
$6 \times 6 =$ ____
$6 \times 7 =$ ____
$6 \times 8 =$ ____
$6 \times 9 =$ ____
$6 \times 10 =$ ____
$6 \times 11 =$ ____
$6 \times 12 =$ ____

Start Time: Score:

End Time:

Name: Date:

Math Drills

Multiply by 7

$7 \times 1 =$ ____
$7 \times 2 =$ ____
$7 \times 3 =$ ____
$7 \times 4 =$ ____
$7 \times 5 =$ ____
$7 \times 6 =$ ____
$7 \times 7 =$ ____
$7 \times 8 =$ ____
$7 \times 9 =$ ____
$7 \times 10 =$ ____
$7 \times 11 =$ ____
$7 \times 12 =$ ____

Start Time: Score:

End Time:

Name: Date:

Math Drills

Multiply by 8

$8 \times 1 =$ ____
$8 \times 2 =$ ____
$8 \times 3 =$ ____
$8 \times 4 =$ ____
$8 \times 5 =$ ____
$8 \times 6 =$ ____
$8 \times 7 =$ ____
$8 \times 8 =$ ____
$8 \times 9 =$ ____
$8 \times 10 =$ ____
$8 \times 11 =$ ____
$8 \times 12 =$ ____

Start Time: Score:

End Time:

Name: Date:

Math Drills

Multiply by 9

$9 \times 1 =$ ____
$9 \times 2 =$ ____
$9 \times 3 =$ ____
$9 \times 4 =$ ____
$9 \times 5 =$ ____
$9 \times 6 =$ ____
$9 \times 7 =$ ____
$9 \times 8 =$ ____
$9 \times 9 =$ ____
$9 \times 10 =$ ____
$9 \times 11 =$ ____
$9 \times 12 =$ ____

Start Time: Score:

End Time:

Name: Date:

Math Drills

Multiply by 10

$10 \times 1 =$ ____
$10 \times 2 =$ ____
$10 \times 3 =$ ____
$10 \times 4 =$ ____
$10 \times 5 =$ ____
$10 \times 6 =$ ____
$10 \times 7 =$ ____
$10 \times 8 =$ ____
$10 \times 9 =$ ____
$10 \times 10 =$ ____
$10 \times 11 =$ ____
$10 \times 12 =$ ____

Start Time: Score:

End Time:

Name: Date:

Math Drills

Multiply by 11

$11 \times 1 =$ ____
$11 \times 2 =$ ____
$11 \times 3 =$ ____
$11 \times 4 =$ ____
$11 \times 5 =$ ____
$11 \times 6 =$ ____
$11 \times 7 =$ ____
$11 \times 8 =$ ____
$11 \times 9 =$ ____
$11 \times 10 =$ ____
$11 \times 11 =$ ____
$11 \times 12 =$ ____

Start Time: Score:

End Time:

Name: Date:

Math Drills

Multiply by 12

$12 \times 1 =$ ____
$12 \times 2 =$ ____
$12 \times 3 =$ ____
$12 \times 4 =$ ____
$12 \times 5 =$ ____
$12 \times 6 =$ ____
$12 \times 7 =$ ____
$12 \times 8 =$ ____
$12 \times 9 =$ ____
$12 \times 10 =$ ____
$12 \times 11 =$ ____
$12 \times 12 =$ ____

Start Time: Score:

End Time: