SUMMER MATH

for incoming 6th Grade

Happy Summer! We are so excited to play, practice, and **PROBLEM SOLVE** with all of you next year! In order to stay sharp with your math skills, you need to spend some time each week practicing math facts and reviewing math concepts.

Don't wait until the last week of summer to start this work!

Instead, use the **pacing guide** to help you pace your work and **come to 6th grade ready to rumble!**

Here are the two goals for your summer homework:

I. 5th Grade Concept Review

- **About 100 multiple choice and open response problems**
- Review the 5th grade math concepts
- Problem solve any questions you aren't sure about: draw a picture, research similar problems online, ask an older friend or sibling!
- Put final answers on the answer sheet
- Show all work on the math review packet. Please circle your answer. Include any scratch paper

2. Fact and computational fluency

- **Weekly "mad minute" or computational warm ups (5-20 minutes per week)**
- Practice your multiplication, division facts, adding as well as subtracting fractions, and simplifying fractions each week.
- Complete the warm up every day OR complete at the end of the week

Be ready to turn in this booklet complete on the first week of school!

See you soon!

Name :_____

6th Answer Sheet for Multiple-Choice 1-38

5th into 6th

1. _____
2. _____
3. _____
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34. _____
35. _____
36. _____
37. _____
38. _____

Name : _____

6th Answer Sheet for problems 40-76

5th into 6th

40. _____
41. _____
42. _____

43. _____
44. _____
45. _____

46. _____
47. _____
48. _____

49. _____
50. _____
51. _____
52. a) _____
52. b) _____
53. _____

54. _____
55. _____
56. _____

57. _____
58. _____
59. _____

60. See graph pg 248
61. a) _____
61. b) _____

62. _____
63. _____
64. _____
65. _____
66. _____
67. See Chart on pg 265

68. Graph on pg 265
69. _____
70. _____

71. _____
72. _____
73. _____

74. _____
75. _____
76. _____

Name: _____ Date: _____

Mid-Year Review

Test Prep

PACING GUIDE
☐ Week 1 = #1-10

Multiple Choice

Fill in the circle next to the correct answer.

1. Which of the following is 3,450,026 in word form? *(Lesson 1.1)*

(A) Three million, four hundred fifty thousand, twenty-six

(B) Three million, four hundred thousand fifty, twenty-six

(C) Three million, fifty thousand four hundred, twenty-six

(D) Three million, forty-five thousand, twenty-six

2. Which number is greatest? *(Lesson 1.3)*

(A) 15,265 (B) 93,216

(C) 320,182 (D) 320,128

3. Which number when rounded to the nearest thousand is 23,000? *(Lesson 1.4)*

(A) 22,097 (B) 22,499

(C) 23,400 (D) 23,501

4. Simplify $20 + 10 \times 19 - 7$. *(Lesson 2.7)*

(A) 140 (B) 203

(C) 360 (D) 563

5. Multiply 52×10^2. *(Lesson 2.3)*

(A) 52 (B) 520

(C) 5,200 (D) 52,000

6. Which is the difference between the value of the digit 6 in 2,300,628 and in 846,150? *(Lesson 1.2)*

(A) 600 (B) 5,400

(C) 5,522 (D) 6,000

7. Which is the remainder when 4,885 is divided by 21? *(Lesson 2.6)*

(A) 12 (B) 13

(C) 14 (D) 15

8. Express $4 \div \frac{1}{12}$ in simplest form. *(Lesson 4.6)*

(A) 48 (B) 3

(C) $\frac{4}{12}$ (D) $\frac{1}{48}$

9. Find the difference: $\frac{3}{4} - \frac{3}{8}$. *(Lesson 3.2)*

(A) $\frac{5}{8}$ (B) $\frac{3}{8}$

(C) $\frac{1}{2}$ (D) $\frac{1}{4}$

10. Find the product: $\frac{3}{4} \times \frac{8}{12}$. *(Lesson 4.1)*

(A) $\frac{1}{2}$ (B) $\frac{2}{3}$

(C) $\frac{5}{12}$ (D) $\frac{11}{16}$

Mad Minutes - 5th Grade - Week 1
Multiplication Facts - 2's to 5's

Name: _____

Date: _____

MONDAY

5 × 4	4 × 8	4 × 6	4 × 4	3 × 2	3 × 4	2 × 6	4 × 7	2 × 9	4 × 3
6 × 3	6 × 4	3 × 5	4 × 3	6 × 5	1 × 4	7 × 3	4 × 4	7 × 4	4 × 5
8 × 4	2 × 4	3 × 2	1 × 3	3 × 3	2 × 5	8 × 3	9 × 3	9 × 4	5 × 3

TUESDAY

4 × 9	4 × 8	5 × 8	3 × 2	2 × 9	4 × 2	2 × 4	3 × 5	4 × 7	3 × 4
3 × 4	8 × 3	5 × 4	5 × 3	9 × 4	8 × 4	4 × 5	3 × 3	2 × 5	7 × 4
8 × 5	2 × 3	7 × 3	6 × 4	9 × 3	6 × 5	4 × 3	7 × 2	8 × 2	6 × 3

WEDNESDAY

2 × 8	3 × 4	5 × 8	4 × 4	3 × 8	5 × 9	3 × 5	5 × 2	4 × 8	3 × 3
7 × 4	2 × 4	5 × 3	1 × 2	6 × 3	1 × 4	3 × 3	2 × 3	9 × 2	8 × 3
7 × 5	7 × 3	3 × 4	6 × 4	6 × 5	2 × 5	5 × 4	8 × 2	3 × 5	4 × 2

THURSDAY

3 × 6	3 × 5	5 × 3	4 × 7	3 × 7	5 × 5	4 × 3	3 × 3	2 × 9	3 × 4
4 × 5	2 × 4	4 × 2	7 × 3	8 × 3	6 × 3	7 × 4	5 × 5	5 × 4	9 × 2
4 × 3	8 × 2	2 × 3	8 × 4	6 × 4	5 × 3	4 × 4	3 × 4	3 × 3	2 × 5

FRIDAY

4 × 5	4 × 8	4 × 7	2 × 4	3 × 5	4 × 6	5 × 3	3 × 9	3 × 6	3 × 4
3 × 3	4 × 9	5 × 5	4 × 2	5 × 4	2 × 2	2 × 8	2 × 5	3 × 7	3 × 8
4 × 4	5 × 8	4 × 3	5 × 7	2 × 6	5 × 9	5 × 6	2 × 3	3 × 2	2 × 7
9 × 4	2 × 4	8 × 5	6 × 4	5 × 4	5 × 3	7 × 4	3 × 3	4 × 5	5 × 5
3 × 2	4 × 4	8 × 4	4 × 3	9 × 5	3 × 4	7 × 2	4 × 2	8 × 2	8 × 3
6 × 3	7 × 3	9 × 3	2 × 3	6 × 2	3 × 5	2 × 2	7 × 5	9 × 2	5 × 2

Name: _____ Date: _____

☐ Week 2 = #11-21

11. Estimate the sum of $\frac{6}{7}$ and $\frac{3}{5}$. *(Lesson 3.1)*

(A) 0 (B) $\frac{1}{2}$

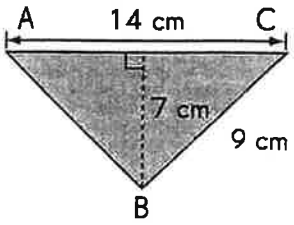
(C) $1\frac{1}{2}$ (D) 1

12. What is the difference between $3\frac{1}{2}$ and $1\frac{1}{4}$? *(Lesson 3.6)*

(A) $2\frac{1}{4}$ (B) $3\frac{1}{4}$

(C) $4\frac{3}{4}$ (D) $4\frac{1}{2}$

13. Find the area of triangle *ABC*. *(Lesson 6.3)*



(A) 126 cm^2 (B) 98 cm^2

(C) 63 cm^2 (D) 49 cm^2

14. Simplify $4x + 6 - 2x - 1$. *(Lesson 5.3)*

(A) $6x + 7$ (B) $4x + 3$

(C) $8x + 6$ (D) $2x + 5$

15. For what value of y will the inequality $3y + 4 < 8$ be true? *(Lesson 5.4)*

(A) $y = 1$ (B) $y = 2$

(C) $y = 3$ (D) $y = 4$

Name: _____ Date: _____

End-of-Year Review

Test Prep

Multiple Choice

Shade the circle next to the correct answer.

16. In 130.426, the digit 2 is in the _____ place. *(Lesson 8.1)*

(A) tens
(B) tenths
(C) hundredths
(D) thousandths

17. Use front-end estimation with adjustment to estimate 6,189 − 3,674. *(Lesson 1.4)*

(A) 1,000
(B) 2,000
(C) 3,000
(D) 4,000

18. Simplify 48 ÷ 8 + 13 × 3. *(Lesson 2.7)*

(A) 45
(B) 54
(C) 57
(D) 75

19. Express $10\frac{1}{4} - 4\frac{1}{2}$ as a decimal. *(Lesson 3.3)*

(A) 6.25
(B) 5.75
(C) 5.43
(D) 5.34

20. Express 9.062 as a mixed number in simplest form. *(Lesson 8.3)*

(A) $9\frac{62}{100}$
(B) $9\frac{31}{50}$
(C) $9\frac{62}{1000}$
(D) $9\frac{31}{500}$

21. What is the product of 96 and 13? *(Lesson 2.4)*

(A) 900
(B) 960
(C) 1,170
(D) 1,248

NAME: _____ **DATE:** _____

MONDAY

Daily Computation Fluency Practice

$12 \times 4 =$	$22 \div 11 =$	$5 \times 10 =$	$60 \div 12 =$	$11 \times 6 =$
$2\frac{1}{3} + 1\frac{3}{4} =$	$\frac{1}{3} + \frac{3}{4} =$	$6 \times \frac{2}{3} =$	$\frac{1}{5} \div 2 =$	$3 \div \frac{1}{8} =$
$8.1 \times 10^2 =$	$1{,}256 \times 32 =$	$87 \div 14 =$	$23.4 + 67.8 =$	$9.9 \times 0.1 =$

TUESDAY

Daily Computation Fluency Practice

$2 \div 1 =$	$6 \times 11 =$	$96 \div 8 =$	$2 \times 12 =$	$77 \div 11 =$
$3 - 1\frac{1}{4} =$	$\frac{9}{10} - \frac{3}{4} =$	$\frac{1}{5} \times \frac{2}{3} =$	$\frac{1}{3} \div 4 =$	$5 \div \frac{1}{3} =$
$5.32 \times 10^4 =$	$789 \times 123 =$	$7{,}483 \div 5 =$	$24.25 - 5.17 =$	$7.7 \div 0.11 =$

NAME: _____ **DATE:** _____

WEDNESDAY

Daily Computation Fluency Practice

$11 \times 8 =$	$10 \div 10 =$	$5 \times 7 =$	$54 \div 9 =$	$12 \times 6 =$
$1\frac{1}{3} + 1\frac{5}{8} =$	$\frac{1}{2} + \frac{3}{4} =$	$5 \times \frac{3}{5} =$	$\frac{1}{3} \div 6 =$	$3 \div \frac{1}{9} =$
$4.4 \times 10^3 =$	$47 \times 52 =$	$753 \div 84 =$	$16.4 + 2.13 =$	$5.8 \times 0.6 =$

THURSDAY

Daily Computation Fluency Practice

$21 \div 7 =$	$2 \times 9 =$	$60 \div 6 =$	$10 \times 1 =$	$108 \div 12 =$
$4\frac{3}{4} - 1\frac{1}{2} =$	$\frac{7}{8} - \frac{1}{4} =$	$\frac{3}{4} \times \frac{1}{8} =$	$\frac{1}{2} \div 3 =$	$3 \div \frac{1}{5} =$
$63.2 \div 10^2 =$	$39 \times 2{,}752 =$	$5{,}476 \div 6 =$	$87.64 - 79.23 =$	$9.9 \div 0.9 =$

☐ Week 3 = #22-31

22. Divide 84 by 400. *(Lesson 9.4)*

(A) 0.21 (B) 0.84
(C) 2.1 (D) 8.4

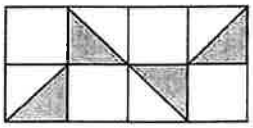
23. Simplify $16p + 5 - 3p - 2$. *(Lesson 5.3)*

(A) $19p + 7$ (B) $19p - 3$
(C) $13p + 3$ (D) $13p - 3$

24. For what value of y will the inequality $4y - 8 > 10$ be true? *(Lesson 5.4)*

(A) 2 (B) 3
(C) 4 (D) 5

25. What percent of the figure is shaded? *(Lesson 10.1)*



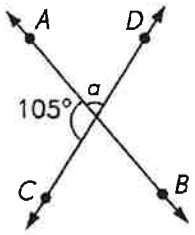
(A) 25% (B) 35%
(C) 40% (D) 50%

26. The price of a cell phone is \$500. Kathleen pays 8% sales tax on the price of the cell phone. How much sales tax does she pay? *(Lesson 10.4)*

(A) \$400 (B) \$50
(C) \$40 (D) \$8

27. This figure may not be drawn to scale. $\overleftrightarrow{AB}$ and $\overleftrightarrow{CD}$ are lines. Find the measure of $\angle a$. *(Lesson 12.1)*

(A) 180°
(B) 105°
(C) 75°
(D) 57°



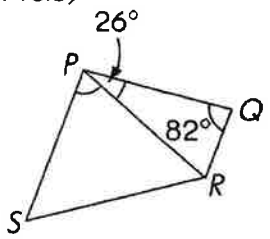
Name: _____ Date: _____

28. The sides of triangle ABC are in whole inches. $AB = 5$ inches and $BC = 11$ inches. Which of these is a possible length for $\overline{AC}$? *(Lesson 13.4)*

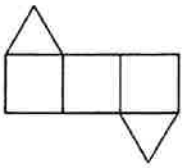
(A) 3 inches
(B) 6 inches
(C) 12 inches
(D) 16 inches

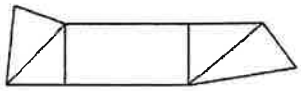
29. This figure may not be drawn to scale. In the trapezoid $PQRS$, $\overline{PS} \parallel \overline{QR}$. Find the measure of $\angle SPR$. *(Lesson 13.5)*

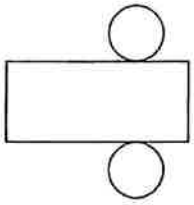
(A) 98°
(B) 72°
(C) 52°
(D) 26°

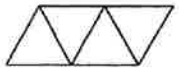


30. Which of these nets can form a triangular pyramid? *(Lesson 14.3)*

(A)


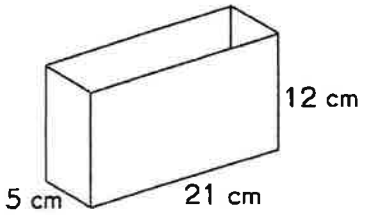
(B)


(C)


(D)


31. How many 1-centimeter cubes can be put into the box? *(Lesson 14.6)*

(A) 38
(B) 1,200
(C) 1,260
(D) 1,620



Mad Minutes - 5th Grade - Week 3
Multiplication Facts 2's to 9's

Name: _____

Date: _____

MONDAY

8 × 6	8 × 5	9 × 3	8 × 7	8 × 8	8 × 2	9 × 5	9 × 4	8 × 4	9 × 8
7 × 9	7 × 8	8 × 9	3 × 9	6 × 8	2 × 9	5 × 9	5 × 8	1 × 8	9 × 8
3 × 8	4 × 8	2 × 8	8 × 8	6 × 9	9 × 9	4 × 9	1 × 9	1 × 9	3 × 9

TUESDAY

8 × 8	8 × 4	9 × 7	9 × 5	8 × 7	8 × 2	9 × 4	8 × 9	8 × 5	8 × 6
8 × 9	6 × 8	6 × 9	9 × 8	5 × 9	3 × 8	4 × 9	3 × 9	8 × 8	1 × 8
7 × 9	4 × 8	2 × 9	7 × 8	5 × 8	2 × 8	1 × 9	9 × 9	5 × 9	5 × 8

WEDNESDAY

8 × 4	8 × 5	9 × 6	8 × 2	9 × 9	9 × 5	8 × 3	9 × 3	8 × 8	9 × 8
5 × 8	4 × 8	2 × 9	2 × 8	9 × 9	8 × 9	3 × 9	3 × 8	1 × 8	8 × 8
1 × 9	7 × 9	4 × 9	9 × 8	5 × 9	6 × 8	7 × 8	6 × 9	4 × 8	2 × 8

THURSDAY

4 × 2	2 × 3	5 × 3	7 × 2	8 × 7	8 × 2	7 × 6	2 × 6	6 × 2	8 × 4
5 × 8	1 × 6	4 × 9	5 × 3	3 × 2	6 × 3	8 × 8	4 × 2	5 × 9	2 × 5
7 × 8	8 × 5	4 × 4	5 × 7	8 × 7	7 × 5	9 × 6	6 × 8	1 × 2	7 × 7

FRIDAY

2 × 4	6 × 3	4 × 3	5 × 3	3 × 9	2 × 2	6 × 5	4 × 4	8 × 6	4 × 9
3 × 2	1 × 3	4 × 2	5 × 1	3 × 7	4 × 7	8 × 1	9 × 5	2 × 7	6 × 6
4 × 1	6 × 8	5 × 5	8 × 2	8 × 7	6 × 1	9 × 2	2 × 8	3 × 4	3 × 5
5 × 8	3 × 4	4 × 5	4 × 4	3 × 3	5 × 4	9 × 4	8 × 5	7 × 8	2 × 3
4 × 8	7 × 3	7 × 6	6 × 5	2 × 8	3 × 6	6 × 6	8 × 7	2 × 4	6 × 4
1 × 5	8 × 2	4 × 3	5 × 5	1 × 3	5 × 2	2 × 7	6 × 8	2 × 2	2 × 5

☐ Week 4 = # 32-37
☐ Double check your work so far!
☐ Include scratch paper

32. What is 0.625×400? *(Lesson 2.2)*

(A) 1000 (B) 250
(C) 100 (D) 25

33. Find 3.8×10^3. *(Lesson 2.3)*

(A) 380 (B) 3,800
(C) 38,000 (D) 380,000

34. Simplify $30 - \{18 - [12 \div (20 - 14)]\}$. *(Lesson 2.7)*

(A) 14 (B) 10
(C) 56 (D) 6

35. Which measure is equivalent to 5 kilograms 35 grams? *(Lesson 9.6)*

(A) 8.5 kilograms
(B) 5.35 kilograms
(C) 5.035 kilograms
(D) 5.00035 kilograms

36. Which of the following is equal to 3,160? *(Lesson 9.3)*

(A) 3.16×10^3
(B) 0.316×10^3
(C) 31.6×10^3
(D) 316×10^2

37. What is $12 \div \frac{1}{4}$? *(Lesson 4.6)*

(A) 3
(B) $12\frac{1}{4}$
(C) $11\frac{3}{4}$
(D) 48

ID: 1

Don't need to record on answer sheet

Name_____

Dividing Fraction Review

Date_____ Period____

Find each quotient.

1) $2\frac{3}{4} \div \frac{1}{6}$

2) $\frac{8}{5} \div \frac{4}{5}$

3) $1\frac{3}{8} \div \frac{11}{8}$

4) $\frac{11}{10} \div 5\frac{2}{5}$

NAME: _____ **DATE:** _____

MONDAY

Daily Computation Fluency Practice

$5 \times 6 =$	$20 \div 10 =$	$11 \times 9 =$	$84 \div 12 =$	$12 \times 5 =$
$2\frac{1}{2} + 1\frac{3}{5} =$	$\frac{1}{3} + \frac{1}{6} =$	$3 \times \frac{5}{6} =$	$\frac{1}{3} \div 5 =$	$4 \div \frac{1}{2} =$
$7.54 \times 10^1 =$	$23 \times 397 =$	$63 \div 26 =$	$3.82 + 6.2 =$	$0.9 \times 7.6 =$

TUESDAY

Daily Computation Fluency Practice

$16 \div 4 =$	$2 \times 2 =$	$9 \div 3 =$	$10 \times 2 =$	$18 \div 2 =$
$2 - 1\frac{2}{3} =$	$\frac{7}{8} - \frac{1}{3} =$	$\frac{1}{4} \times \frac{3}{7} =$	$\frac{1}{3} \div 2 =$	$5 \div \frac{1}{3} =$
$3.22 \div 10^2 =$	$6 \times 321 =$	$8{,}742 \div 8 =$	$10.77 - 6.23 =$	$3.2 \div 0.2 =$

NAME: _____ **DATE:** _____

WEDNESDAY

Daily Computation Fluency Practice

$4 \times 9 =$	$70 \div 10 =$	$12 \times 5 =$	$18 \div 3 =$	$11 \times 5 =$
$2\frac{1}{3} + 1\frac{1}{4} =$	$\frac{3}{4} + \frac{3}{5} =$	$5 \times \frac{2}{7} =$	$\frac{1}{6} \div 4 =$	$6 \div \frac{1}{4} =$
$7.1 \times 10^3 =$	$2{,}185 \times 36 =$	$698 \div 37 =$	$1.62 + 4.35 =$	$2.5 \times 1.6 =$

THURSDAY

Daily Computation Fluency Practice

$10 \times 8 =$	$32 \div 4 =$	$4 \times 7 =$	$10 \div 2 =$	$12 \times 6 =$
$3 - 2\frac{1}{3} =$	$\frac{3}{5} - \frac{1}{3} =$	$\frac{1}{9} \times \frac{3}{5} =$	$\frac{1}{7} \div 3 =$	$5 \div \frac{1}{2} =$
$4.4 \div 10^2 =$	$32 \times 74 =$	$7{,}368 \div 9 =$	$67.43 - 52.89 =$	$2.4 \div 0.3 =$

☐ Week 5 = # 38-46

38. Glass A contains 236 milliliters of milk. Glass B contains 420 milliliters of milk. What is the ratio of the amount of milk in Glass A to that in Glass B? *(Lesson 7.3)*

(A) 89 : 135 (B) 119 : 165

(C) 479 : 660 (D) 59 : 105

Short Answer

Read the questions carefully. Write your answers in the space provided. Show your work.

40. What is the missing number in the box? *(Lesson 1.2)*

$87{,}412 = 80{,}000 + \square + 400 + 10 + 2$ _____

41. Order the numbers from greatest to least. *(Lesson 1.3)*

35,928 164,239 35,982 916,236

_____

42. Find the product of 238 and 4,000. *(Lesson 2.2)*

_____

43. Simplify $4 \times \{(43 - 19) + [(121 - 3) \div 2]\}$. *(Lesson 2.7)*

_____

Name: _____ Date: _____

44. There are 215 Grade 5 students in Cherrywood school. Each student spends $17 on a dictionary. How much in all do the students spend on the dictionary? *(Lesson 2.8)*

_____

45. Mr. Hull is buying computer equipment for his company. The equipment costs $45,900. He pays $5,300 for the first payment. He then pays the rest of the amount in equal payments for 14 months. Find the amount he has to pay each month. *(Lesson 2.8)*

_____

46. Simplify $(2 + 4) \times 7 - 6 + 11$. *(Lesson 2.7)*

_____

Mad Minutes - 5th Grade - Week 5
Multiplication Facts 2's to 12's

Name: _____

Date: _____

MONDAY

7 × 12	7 × 11	6 × 2	5 × 2	2 × 11	7 × 10	10 × 4	7 × 5	10 × 8	4 × 11
8 × 12	2 × 11	7 × 6	2 × 8	11 × 12	2 × 10	3 × 11	9 × 4	11 × 4	5 × 12
9 × 7	10 × 11	6 × 10	7 × 12	8 × 11	9 × 8	1 × 11	7 × 7	11 × 6	10 × 2

TUESDAY

2 × 7	6 × 7	2 × 6	11 × 5	5 × 4	7 × 10	10 × 12	2 × 12	4 × 8	10 × 11
11 × 5	2 × 6	7 × 10	5 × 6	10 × 8	5 × 4	8 × 4	12 × 4	10 × 5	12 × 12
10 × 6	2 × 8	11 × 6	5 × 11	11 × 12	6 × 4	12 × 10	3 × 8	3 × 12	3 × 10

WEDNESDAY

11 × 11	11 × 12	9 × 3	2 × 12	9 × 10	2 × 9	12 × 7	4 × 5	10 × 10	10 × 4
7 × 12	7 × 6	8 × 4	12 × 10	1 × 10	3 × 12	10 × 5	10 × 3	5 × 11	3 × 8
9 × 10	11 × 12	12 × 2	5 × 9	8 × 6	9 × 3	6 × 10	10 × 12	8 × 7	2 × 9

THURSDAY

6 × 7	11 × 4	3 × 4	8 × 6	7 × 2	8 × 11	5 × 11	9 × 9	1 × 8	3 × 9
5 × 9	12 × 7	11 × 10	11 × 5	10 × 11	6 × 4	8 × 5	5 × 11	8 × 10	9 × 10
6 × 12	5 × 2	3 × 5	11 × 11	6 × 10	6 × 11	4 × 4	9 × 8	2 × 4	7 × 5

FRIDAY

6 × 11	4 × 4	9 × 3	3 × 12	7 × 4	8 × 11	6 × 2	9 × 11	11 × 2	3 × 5
12 × 11	2 × 4	10 × 12	5 × 7	8 × 8	7 × 11	11 × 11	11 × 10	3 × 3	4 × 11
9 × 8	2 × 11	7 × 3	6 × 6	9 × 6	1 × 12	3 × 11	11 × 12	10 × 2	7 × 6
7 × 11	7 × 10	4 × 10	5 × 5	10 × 5	8 × 7	6 × 11	4 × 8	6 × 12	2 × 12
12 × 5	11 × 5	11 × 11	2 × 6	4 × 7	5 × 10	10 × 4	10 × 6	3 × 12	3 × 3
9 × 11	12 × 11	4 × 5	10 × 11	4 × 2	2 × 10	9 × 8	3 × 9	10 × 8	1 × 11

☐ Week 6 =#47-52

47. Express $38 \div 6$ as a fraction in simplest from. Then rewrite the fraction as a mixed number. *(Lesson 3.3)*

48. Shaun has $24\frac{1}{2}$ ounces of beads. He has $3\frac{3}{8}$ ounces of beads less than Tony. Find the weight of Tony's beads. *(Lesson 3.7)*

49. Express $24\frac{1}{4} - 15\frac{1}{2}$ as a decimal. *(Lessons 3.3 and 3.6)*

Name: _____ Date: _____

50. Lita jogged $7\frac{3}{10}$ kilometers on Friday. She jogged $1\frac{3}{4}$ kilometers more on Saturday. How many kilometers did she jog on both days? Give your answer as a decimal. *(Lesson 3.7)*

_____

51. Multiply $\frac{70}{6}$ by $\frac{18}{4}$. Express the product as a mixed number in simplest form. *(Lesson 4.3)*

_____

52. Jamal runs $1\frac{2}{5}$ miles a day to train for a race. *(Lesson 4.5)*

a. If he runs the same distance for 3 days a week, what is the distance he runs in one week?

b. If he keeps to this training regime for 8 weeks, what is the total distance he will run in 8 weeks?

NAME: _____ **DATE:** _____

MONDAY

Daily Computation Fluency Practice

$4 \div 4 =$	$2 \times 5 =$	$22 \div 11 =$	$12 \times 2 =$	$7 \div 7 =$
$1\frac{3}{4} + 1\frac{2}{5} =$	$\frac{1}{6} + \frac{3}{8} =$	$2 \times \frac{3}{4} =$	$\frac{1}{2} \div 4 =$	$2 \div \frac{1}{5} =$
$6.53 \times 10^4 =$	$67 \times 9{,}023 =$	$56 \div 33 =$	$2.17 + 7.13 =$	$1.1 \times 8.2 =$

TUESDAY

Daily Computation Fluency Practice

$11 \times 12 =$	$81 \div 9 =$	$5 \times 2 =$	$44 \div 11 =$	$11 \times 9 =$
$3\frac{1}{4} - 2\frac{1}{3} =$	$\frac{3}{4} - \frac{1}{3} =$	$\frac{3}{8} \times \frac{1}{2} =$	$\frac{1}{6} \div 4 =$	$5 \div \frac{1}{4} =$
$701 \div 10^3 =$	$1{,}789 \times 4 =$	$5{,}931 \div 1 =$	$7.43 - 2.89 =$	$8.8 \div 2.2 =$

NAME: _____ **DATE:** _____

WEDNESDAY

Daily Computation Fluency Practice

$11 \div 11 =$	$2 \times 6 =$	$72 \div 12 =$	$5 \times 8 =$	$72 \div 6 =$
$2\frac{1}{5} + 1\frac{1}{10} =$	$\frac{3}{4} + \frac{5}{8} =$	$5 \times \frac{2}{5} =$	$\frac{1}{2} \div 5 =$	$6 \div \frac{1}{9} =$
$0.45 \times 10^2 =$	$2{,}583 \times 27 =$	$574 \div 62 =$	$9.9 + 10.2 =$	$6.5 \times 0.8 =$

THURSDAY

Daily Computation Fluency Practice

$9 \times 10 =$	$12 \div 4 =$	$11 \times 11 =$	$72 \div 9 =$	$10 \times 3 =$
$4\frac{1}{3} - 2\frac{1}{4} =$	$\frac{5}{6} - \frac{1}{3} =$	$\frac{2}{5} \times \frac{1}{3} =$	$\frac{1}{2} \div 4 =$	$3 \div \frac{1}{5} =$
$0.76 \div 10^1 =$	$71 \times 2{,}456 =$	$8{,}093 \div 6 =$	$7.43 - 5.89 =$	$6.5 \div 0.5 =$

Name: _____ Date: _____

☐ Week 7 = # 53-59

53. A ball of string $\frac{9}{10}$ meter long is cut into 3 pieces of the same length.

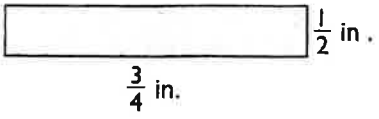
Find the length of each piece. *(Lesson 4.6)*

_____

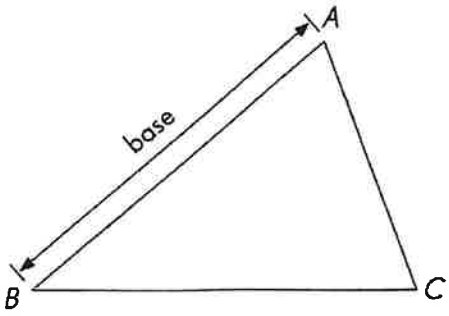
54. 3 batteries cost $\$5r$ and 8 folders cost $\$2r$. Jason bought 6 batteries and 4 folders. How much does he pay? Give your answer in terms of r. *(Lesson 5.5)*

_____

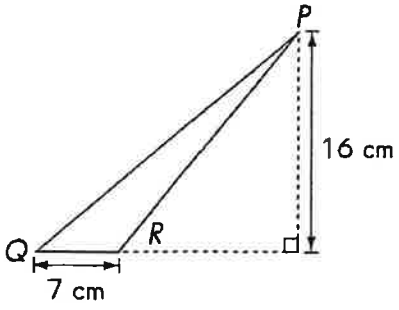
55. Find the area. *(Lesson 6.1)*



56. The base of the triangle *ABC* is as given. Label its height . *(Lesson 6.2)*



57. Find the area of triangle *PQR*. *(Lesson 6.3)*

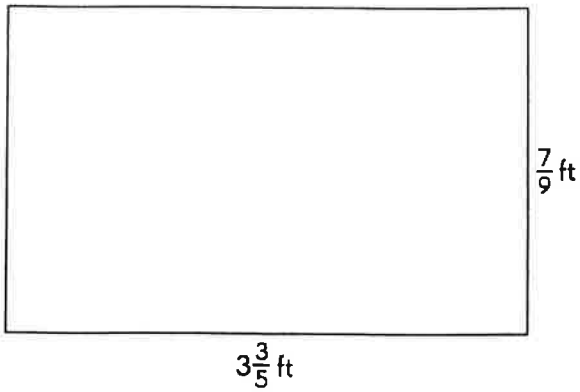


Name: _____ Date: _____

Short Answer

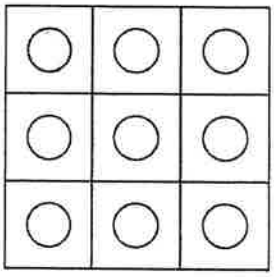
Read the questions carefully. Write your answers in the spaces provided. Show your work.

58. Find the area of the rectangle below. *(Lesson 6.1)*



_____

59. In the figure below, how many more circles must be shaded so that the fraction of shaded circles to the total number of circles is $\frac{2}{3}$? *(Lesson 4.4)*



_____

Mad Minutes - 5th Grade - Week 7
Division Facts 2's to 9's

Name: _____

Date: _____

MONDAY

2⟌10	4⟌8	8⟌56	3⟌18	4⟌16	3⟌24	7⟌21	7⟌28	4⟌32	2⟌12
4⟌12	6⟌48	3⟌9	9⟌54	7⟌35	8⟌32	7⟌56	5⟌30	8⟌16	9⟌63
7⟌14	8⟌40	8⟌72	6⟌54	7⟌49	5⟌35	8⟌48	5⟌25	6⟌42	3⟌21

TUESDAY

8⟌32	9⟌27	8⟌40	6⟌54	5⟌15	4⟌16	6⟌24	5⟌20	9⟌36	7⟌35
9⟌54	8⟌24	3⟌15	7⟌21	6⟌42	9⟌45	6⟌48	5⟌30	3⟌9	5⟌35
9⟌63	7⟌28	2⟌10	3⟌24	8⟌56	5⟌40	4⟌28	4⟌20	7⟌42	5⟌10

WEDNESDAY

8⟌32	3⟌21	5⟌40	3⟌18	2⟌14	6⟌42	5⟌10	4⟌24	4⟌16	5⟌15
3⟌12	7⟌42	3⟌6	2⟌12	8⟌48	6⟌18	5⟌30	5⟌45	8⟌24	4⟌36
4⟌12	7⟌28	9⟌18	7⟌14	7⟌49	4⟌32	6⟌24	5⟌25	7⟌63	8⟌56

THURSDAY

8|72	3|15	9|36	4|32	5|35	8|40	5|40	8|64	6|18	2|14
7|14	3|6	4|28	8|48	7|42	4|24	9|81	3|27	3|21	9|45
7|56	8|32	6|42	6|54	8|56	7|49	8|16	3|18	2|10	8|24

FRIDAY

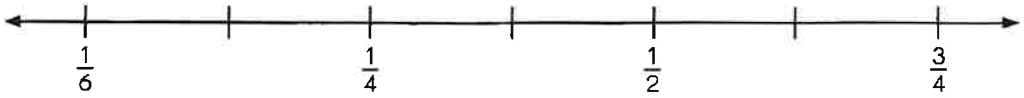
6|36	2|14	9|54	9|81	4|12	3|27	2|8	7|28	9|45	3|15
7|42	6|42	5|20	3|9	3|12	8|40	8|24	7|63	9|36	8|64
5|15	5|40	2|10	4|28	9|63	3|18	6|12	7|49	6|48	5|25
7|14	4|20	4|16	9|18	3|24	7|21	6|54	4|24	5|45	5|35
7|35	2|12	3|6	8|56	3|21	2|6	8|32	6|24	8|48	5|30
4|8	4|36	9|72	4|32	2|18	8|72	7|56	6|18	6|30	8|16

Use the data below for exercises 60. and 61. ☐ Week 8 = # 60 - 66

Cassia has collected leaves from different plants. She wants to investigate the lengths of the leaves from each plant. She recorded the lengths in the table below.

Length (ft)	$\frac{1}{6}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$
Number of Leaves	2	5	7	7

60. Make a line plot to show the data in the table. *(Lesson 11.1)*



Length of Leaves (ft)

61. Use the data to answer these questions. *(Lesson 11.1)*

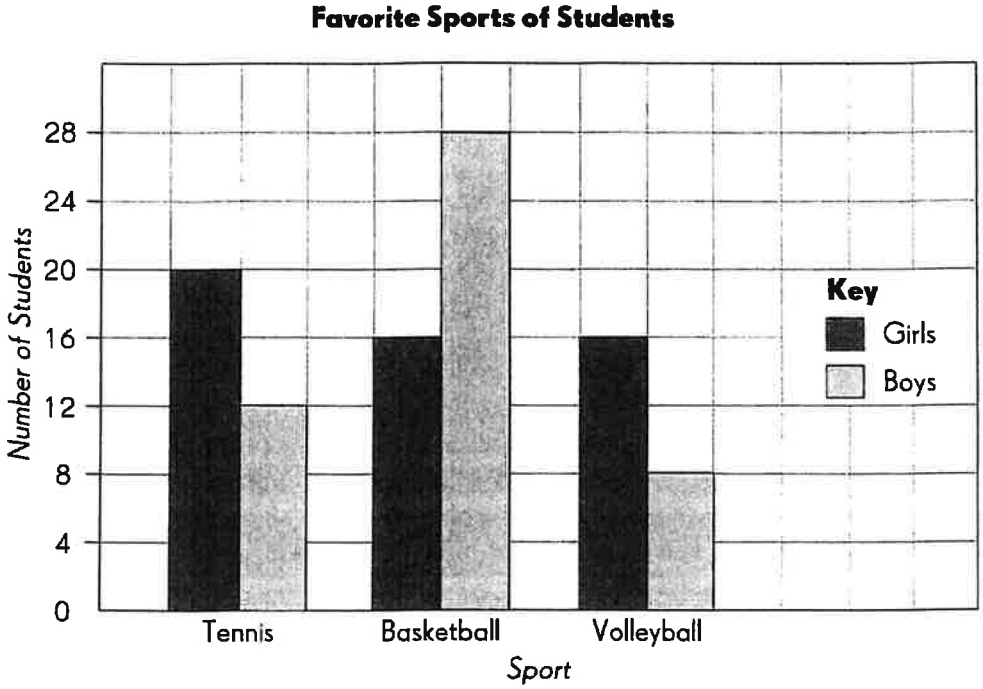
a. What is the difference in length between the longest leaf and the shortest leaf?

_____

b. How many more of the long leaves are there than short leaves?

_____

Use the data in the bar graph to answer questions 62. and 63.



62. For which sport is the difference between the number of boys and girls the greatest? *(Lesson 11.2)*

_____

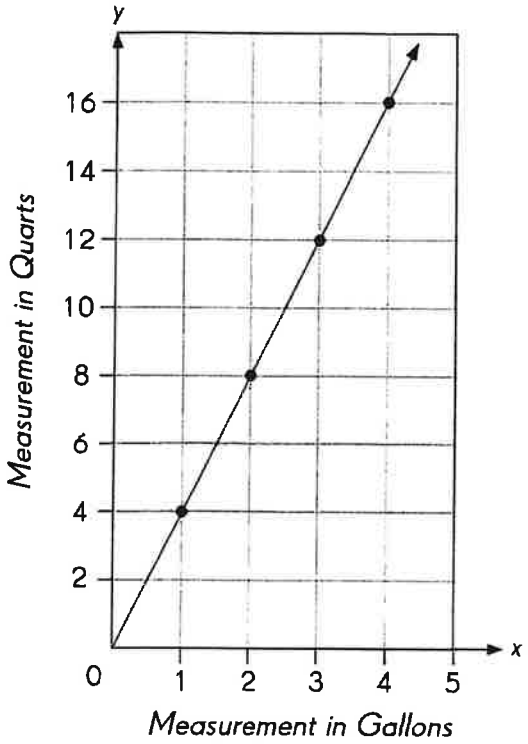
63. How many more girls than boys prefer tennis? *(Lesson 11.2)*

_____

Name: _____ Date: _____

Use the data in the graph to answer questions 64. and 65.

Conversion Between Gallons and Quarts



64. Mrs. Richards buys 8 quarts of milk in 4 days. How many gallons of milk does she buy? *(Lesson 11.3)*

_____

65. What is the equation of the graph? *(Lesson 11.3)*

_____

66. Mrs. Mani has 1 orange, 1 apple, 1 peach, and 1 apricot. She has 3 different flavored yogurt bars. She packs one fruit and one yogurt bar into a lunch box. Find the number of combinations she can pack in one box. *(Lesson 11.5)*

_____

NAME: _____ **DATE:** _____

MONDAY

Daily Computation Fluency Practice

$66 \div 11 =$	$12 \times 3 =$	$66 \div 6 =$	$2 \times 7 =$	$11 \div 11 =$
$2\frac{3}{5} + 2\frac{3}{4} =$	$\frac{4}{5} + \frac{1}{2} =$	$4 \times \frac{2}{3} =$	$\frac{1}{2} \div 4 =$	$3 \div \frac{1}{5} =$
$0.32 \times 10^4 =$	$82 \times 1{,}476 =$	$98 \div 12 =$	$4.3 + 8.17 =$	$3.3 \times 2.1 =$

TUESDAY

Daily Computation Fluency Practice

$5 \times 4 =$	$96 \div 12 =$	$12 \times 1 =$	$6 \div 3 =$	$11 \times 10 =$
$3\frac{4}{5} - 1\frac{1}{3} =$	$\frac{3}{4} - \frac{2}{5} =$	$\frac{7}{8} \times \frac{1}{2} =$	$\frac{1}{7} \div 4 =$	$5 \div \frac{1}{3} =$
$9.3 \div 10^3 =$	$45 \times 698 =$	$7{,}643 \div 42 =$	$92.58 - 71.13 =$	$3.6 \div 0.3 =$

NAME: _____ **DATE:** _____

WEDNESDAY

Daily Computation Fluency Practice

$36 \div 9 =$	$5 \times 11 =$	$14 \div 7 =$	$2 \times 8 =$	$120 \div 10 =$
$1\frac{3}{5} + 1\frac{1}{2} =$	$\frac{3}{4} + \frac{1}{3} =$	$3 \times \frac{3}{4} =$	$\frac{1}{4} \div 5 =$	$6 \div \frac{1}{4} =$
$5.5 \times 10^2 =$	$73 \times 49 =$	$467 \div 59 =$	$12.52 + 3.7 =$	$0.2 \times 9.9 =$

THURSDAY

Daily Computation Fluency Practice

$9 \times 11 =$	$45 \div 9 =$	$11 \times 7 =$	$55 \div 11 =$	$5 \times 9 =$
$2\frac{7}{8} - 1\frac{1}{3} =$	$\frac{5}{8} - \frac{1}{2} =$	$\frac{4}{5} \times \frac{1}{2} =$	$\frac{1}{2} \div 3 =$	$8 \div \frac{1}{6} =$
$4.2 \div 10^2 =$	$496 \times 1{,}381 =$	$9{,}458 \div 37 =$	$8.56 - 4.89 =$	$1.2 \div 0.2 =$

Name: _____ Date: _____

☐Week 9: #67-72

Complete the tables and graphs. Then answer the questions.

67. Roy can type 60 words per minute. Annette can type 70 words per minute. Complete the tables below.

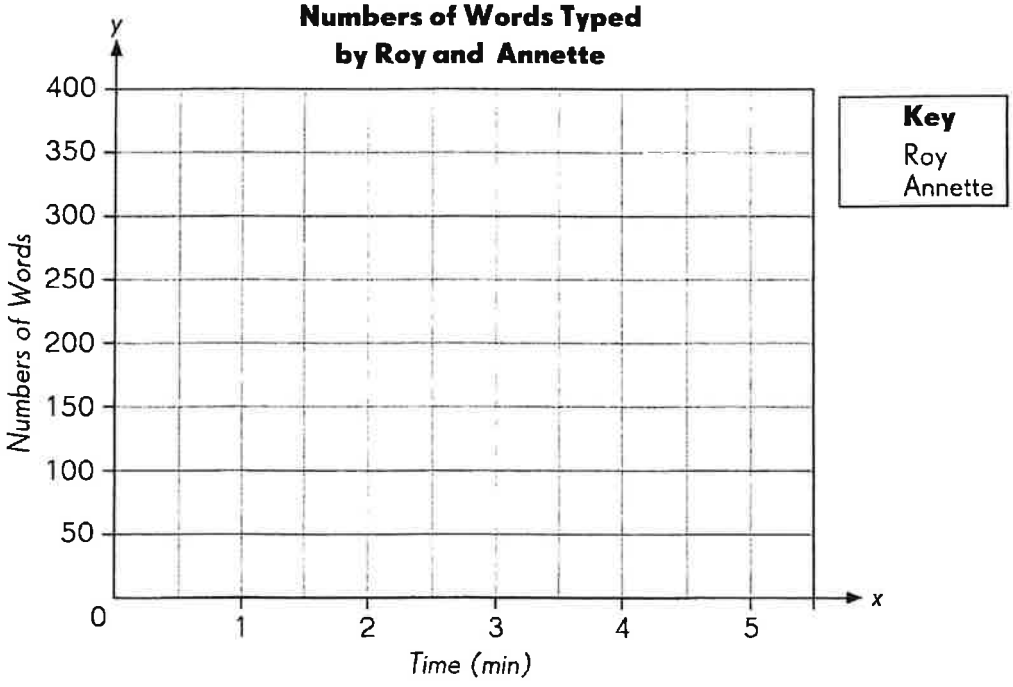
Number of Words Typed by Roy

Time (min)	1	2	3	4	5
Number of Words	60				

Number of Words Typed by Annette

Time (min)	1	2	3	4	5
Number of Words	70				

68. Plot the points on a coordinate grid.



69. How many words do each of them type in 4 minutes?

70. How long does each person take to type 840 words?

71. Estimate the time taken by each person to type 1260 words.

72. Annette typed a document for 15 minutes and then had to leave. She asked Roy to continue typing from where she had stopped. Roy took 24 minutes to complete typing the document. How many words were in the document?

Mad Minutes - 5th Grade - Week 9
Division Facts 2's to 12's

Name: _____

Date: _____

MONDAY

3⟌12	8⟌72	4⟌24	10⟌40	5⟌35	4⟌12	3⟌24	5⟌40	2⟌4	11⟌77
11⟌66	3⟌6	8⟌24	6⟌24	7⟌70	6⟌54	8⟌48	11⟌55	7⟌35	10⟌110
4⟌16	4⟌32	4⟌36	3⟌9	7⟌63	3⟌21	4⟌8	2⟌16	8⟌56	9⟌45

TUESDAY

5⟌40	12⟌96	3⟌27	8⟌40	10⟌60	7⟌63	3⟌33	8⟌64	6⟌30	5⟌35
8⟌16	4⟌44	5⟌55	9⟌45	7⟌35	8⟌56	3⟌30	10⟌100	11⟌88	4⟌24
2⟌20	3⟌36	7⟌28	6⟌12	11⟌55	8⟌32	6⟌48	5⟌10	2⟌24	6⟌54

WEDNESDAY

5⟌30	6⟌72	6⟌12	5⟌15	4⟌28	6⟌54	3⟌18	3⟌9	11⟌110	11⟌44
10⟌110	6⟌66	8⟌40	4⟌32	7⟌42	9⟌27	10⟌60	8⟌88	11⟌88	2⟌24
3⟌24	7⟌49	7⟌70	7⟌28	8⟌56	6⟌18	2⟌6	2⟌4	8⟌64	7⟌14

THURSDAY

$11\overline{)88}$	$9\overline{)27}$	$4\overline{)44}$	$10\overline{)100}$	$12\overline{)144}$	$6\overline{)12}$	$3\overline{)33}$	$10\overline{)110}$	$8\overline{)64}$	$5\overline{)15}$
$5\overline{)30}$	$4\overline{)40}$	$11\overline{)66}$	$11\overline{)33}$	$8\overline{)80}$	$3\overline{)15}$	$9\overline{)63}$	$8\overline{)88}$	$3\overline{)18}$	$12\overline{)60}$
$9\overline{)90}$	$7\overline{)42}$	$9\overline{)99}$	$8\overline{)24}$	$6\overline{)66}$	$6\overline{)36}$	$9\overline{)72}$	$11\overline{)99}$	$3\overline{)12}$	$6\overline{)48}$

FRIDAY

$6\overline{)66}$	$10\overline{)40}$	$9\overline{)108}$	$5\overline{)35}$	$10\overline{)100}$	$2\overline{)6}$	$11\overline{)121}$	$10\overline{)70}$	$6\overline{)18}$	$11\overline{)44}$
$10\overline{)120}$	$8\overline{)32}$	$4\overline{)16}$	$5\overline{)10}$	$9\overline{)54}$	$7\overline{)56}$	$7\overline{)84}$	$5\overline{)20}$	$4\overline{)24}$	$3\overline{)12}$
$10\overline{)80}$	$11\overline{)33}$	$11\overline{)88}$	$4\overline{)12}$	$5\overline{)40}$	$12\overline{)84}$	$8\overline{)40}$	$5\overline{)30}$	$7\overline{)77}$	$3\overline{)18}$
$11\overline{)77}$	$3\overline{)27}$	$4\overline{)48}$	$5\overline{)15}$	$5\overline{)25}$	$3\overline{)9}$	$8\overline{)72}$	$6\overline{)36}$	$3\overline{)24}$	$4\overline{)40}$
$6\overline{)30}$	$8\overline{)16}$	$11\overline{)99}$	$12\overline{)36}$	$5\overline{)55}$	$4\overline{)36}$	$8\overline{)80}$	$9\overline{)45}$	$9\overline{)99}$	$10\overline{)90}$
$7\overline{)28}$	$8\overline{)48}$	$8\overline{)64}$	$6\overline{)48}$	$7\overline{)49}$	$6\overline{)24}$	$9\overline{)90}$	$2\overline{)18}$	$2\overline{)22}$	$10\overline{)50}$

☐ Division and multiplication Review
☐ Week #10 = #73-76
☐ Include all scratch paper

Vocabulary

Choose the correct word.

ratio
terms
equivalent ratios
simplest form
greatest common factor

73. A _____ is a comparison of two numbers or quantities by division. The quantities of the items you are comparing make up the _____ of the ratio.

74. Two or more different ratios that compare the same set of numbers or quantities are known as _____.

75. A ratio that cannot be simplified any further is said to be in _____.

76. The greatest number that can evenly divide two or more numbers is called the _____.

Dividing Decimal Numbers

Here are the three ways you will see division problems; they all mean the same thing:

$\frac{46.58}{2.1}$ $\qquad 2.1\overline{)46.58}$ $\qquad 46.58 \div 2.1$

When dividing decimal numbers, move the decimal point in the divisor (number you're dividing by) to the right end of the divisor. Then move the decimal point in the dividend (the number you're dividing <u>into</u>) the same number of places to the right as you moved it in the divisor.

$2.1\overline{)46.58}$ $\qquad .100\overline{)8.100}$ $\qquad 4\overline{)6.1}$ $\qquad .8\overline{)11.0}$

Once you have placed the decimal point correctly in your **quotient** (answer), divide like you would in whole numbers.

$$\begin{array}{r} 23 \\ .2\overline{)4.6} \\ \underline{4} \\ 6 \\ \underline{6} \\ 0 \end{array}$$

$$\begin{array}{r} 20. \\ .26\overline{)5.20} \\ \underline{52} \\ 0 \end{array}$$

$$\begin{array}{r} 9.4117 \\ 1.7\overline{)16.00000} \\ \underline{153} \\ 70 \\ \underline{68} \\ 20 \\ \underline{17} \\ 30 \\ \underline{17} \\ 130 \\ \underline{119} \\ 11 \end{array} = 9.41$$

Rounded to hundredth

$$\begin{array}{r} .173 \\ 15\overline{)2.600} \\ \underline{15} \\ 110 \\ \underline{105} \\ 50 \\ \underline{45} \\ 5 \end{array} = .17$$

Exercise 11 – Answers on this page*

Directions: Divide. Round answers to hundredths, if necessary

1) $.3\overline{).69}$

2) $.82\overline{)16.4}$

3) $.002\overline{)4}$

4) $1.4\overline{)280}$

5) $25\overline{)4}$

6) $37\overline{)1.68}$

7) $.66\overline{)15.18}$

8) $1.87\overline{)3.96}$

9) $329\overline{)2.303}$

10) $.64\overline{).14208}$

11) $20\overline{).1}$

12) $.3\overline{)85}$

13) $5.86\overline{)250}$

14) $.789\overline{)315.6}$

15) $2.8\overline{)7.006}$

Mult. & Division
Decimals

Name: _____
Period: _____

Simplify:

1. 3.056 x .03

2. 12.672 x .0012

3. 7 x .045

4. .00492 ÷ .012

5. 1.24927 ÷ .41

NAME: _____ **DATE:** _____

MONDAY

Daily Computation Fluency Practice

$28 \div 7 =$	$2 \times 10 =$	$45 \div 5 =$	$9 \times 5 =$	$3 \div 1 =$
$2\frac{1}{3} + 1\frac{1}{4} =$	$\frac{3}{4} + \frac{1}{3} =$	$4 \times \frac{2}{3} =$	$\frac{1}{3} \div 3 =$	$5 \div \frac{1}{2} =$
$5.3 \times 10^2 =$	$2{,}567 \times 23 =$	$741 \div 3 =$	$65.8 + 46.9 =$	$4.4 \times 0.4 =$

TUESDAY

Daily Computation Fluency Practice

$9 \times 2 =$	$54 \div 6 =$	$7 \times 1 =$	$12 \div 12 =$	$11 \times 2 =$
$4\frac{1}{2} - 3\frac{1}{4} =$	$\frac{4}{5} - \frac{1}{3} =$	$\frac{2}{5} \times \frac{3}{4} =$	$\frac{1}{3} \div 4 =$	$6 \div \frac{1}{2} =$
$738 \div 10^4 =$	$4{,}379 \times 38 =$	$6{,}321 \div 28 =$	$55.21 - 18.89 =$	$0.4 \div 0.1 =$

NAME: _____ **DATE:** _____

WEDNESDAY

Daily Computation Fluency Practice

$40 \div 5 =$	$6 \times 12 =$	$35 \div 7 =$	$2 \times 11 =$	$120 \div 12 =$
$1\frac{1}{3} + 2\frac{1}{4} =$	$\frac{4}{5} + \frac{3}{4} =$	$5 \times \frac{3}{5} =$	$\frac{1}{5} \div 2 =$	$5 \div \frac{1}{5} =$
$0.57 \times 10^1 =$	$3{,}728 \times 6 =$	$325 \div 18 =$	$4.53 + 8.79 =$	$0.4 \times 7.2 =$

THURSDAY

Daily Computation Fluency Practice

$10 \times 12 =$	$48 \div 6 =$	$7 \times 2 =$	$132 \div 11 =$	$8 \times 3 =$
$3\frac{3}{4} - 2\frac{1}{3} =$	$\frac{3}{4} - \frac{1}{2} =$	$\frac{3}{4} \times \frac{3}{4} =$	$\frac{1}{6} \div 4 =$	$4 \div \frac{1}{6} =$
$8.2 \div 10^2 =$	$2{,}815 \times 924 =$	$8{,}215 \div 59 =$	$53.9 - 38.77 =$	$9.9 \div 0.3 =$