

# SUMMER MATH

for incoming 6<sup>th</sup> 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 6<sup>th</sup> grade ready to rumble!**

Here are the two goals for your summer homework:

## I. 5<sup>th</sup> Grade Concept Review

- **About 100 multiple choice and open response problems**
- Review the 5<sup>th</sup> 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 : \_\_\_\_\_

**6<sup>th</sup> Answer Sheet for Multiple-Choice 1-38**  
5<sup>th</sup> into 6<sup>th</sup>

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

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

31. \_\_\_\_\_

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

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

32. \_\_\_\_\_

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

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

33. \_\_\_\_\_

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

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

34. \_\_\_\_\_

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

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

35. \_\_\_\_\_

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

21. \_\_\_\_\_

36. \_\_\_\_\_

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

22. \_\_\_\_\_

37. \_\_\_\_\_

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

23. \_\_\_\_\_

38. \_\_\_\_\_

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

24. \_\_\_\_\_

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

25. \_\_\_\_\_

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

26. \_\_\_\_\_

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

27. \_\_\_\_\_

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

28. \_\_\_\_\_

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

29. \_\_\_\_\_

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

30. \_\_\_\_\_

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

## 6<sup>th</sup> Answer Sheet for problems 40-76

5<sup>th</sup> into 6<sup>th</sup>

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  $52 \times 10^2$ . (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)  $\frac{11}{16}$





□ Week 2 = #11-21

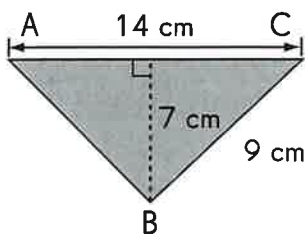
11. Estimate the sum of  $\frac{6}{7}$  and  $\frac{3}{5}$ . (Lesson 3.1)

(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)  $126 \text{ cm}^2$  (B)  $98 \text{ cm}^2$   
 (C)  $63 \text{ cm}^2$  (D)  $49 \text{ cm}^2$

14. Raphael weighs 128.75 pounds. When he holds his baby sister they weigh a combined weight of ~~144.72~~ pounds. How much does his baby sister weigh?

a. 14.97 pounds c. 25.13 pounds  
 b. 14.87 pounds d. 15.97 pounds

15. Debra had a \$50 bill when she went to the movies. She bought two tickets for \$8.75 each, a large popcorn for \$6.95 and two drinks for \$2.50 each. How much money did she have left after the movie?

a. \$20.55 c. \$18.20  
 b. \$29.45 d. \$31.80

# 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  $48 \div 8 + 13 \times 3$ . (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

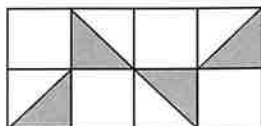
23. There are 12 players on the hockey team. The players want to donate some new equipment to the hockey club. This equipment will cost \$336, how much money do they each need contribute?

- a. 12    c. 28  
b. 19    d. 29

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)



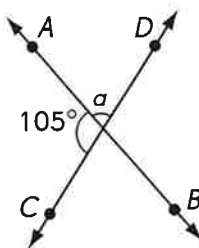
- (A) 25%    (B) 35%  
(C) 40%    (D) 50%

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)  $180^\circ$   
(B)  $105^\circ$   
(C)  $75^\circ$   
(D)  $57^\circ$



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  $AC$ ?

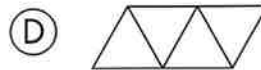
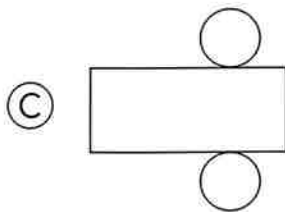
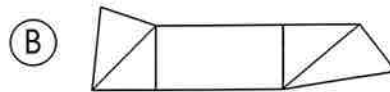
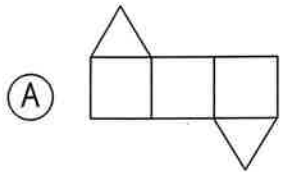
(Lesson 13.4)

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

29. What is the value of the expression  $5 \times (4 + 2) - 8$ ?

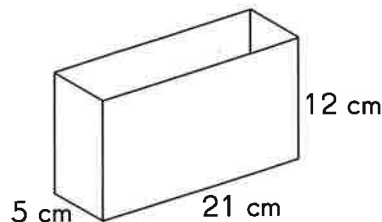
- a. 14                                      c. 10  
b. 22                                      d. 1

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



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







32. What is  $0.625 \times 400$ ? (Lesson 2.2)
- (A) 1000 (B) 250  
(C) 100 (D) 25
33. Find  $3.8 \times 10^3$ . (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)  $3.16 \times 10^3$   
(B)  $0.316 \times 10^3$   
(C)  $31.6 \times 10^3$   
(D)  $316 \times 10^2$
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

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

Don't need to record on

Name \_\_\_\_\_

## Dividing Fraction Review

answer sheet

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*)

$$87,412 = 80,000 + \boxed{\phantom{000}} + 400 + 10 + 2$$

- 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)

\_\_\_\_\_





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

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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)

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

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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?

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**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)

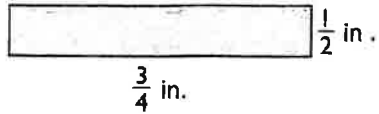
\_\_\_\_\_

**54.**

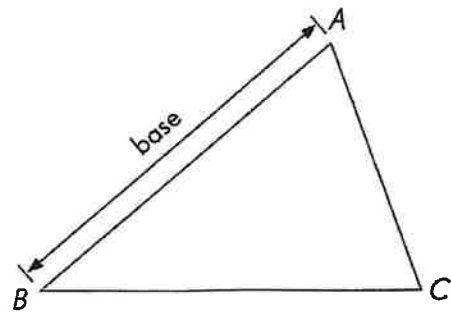
Carlos has  $7\frac{1}{2}$  acres of farmland. He uses  $\frac{1}{3}$  of acres to graze animals and  $\frac{1}{5}$  of the acres to grow vegetables. How many acres does Carlos use for grazing animals or for growing vegetables?

\_\_\_\_\_

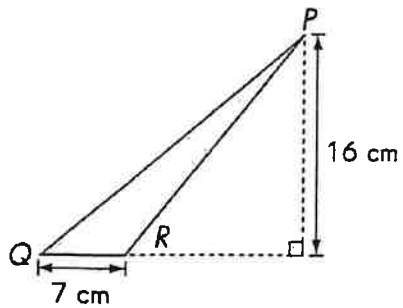
55. Find the area. (Lesson 6.1)



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)



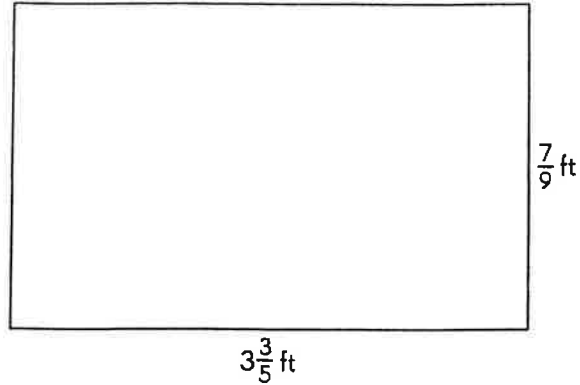
Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Short Answer

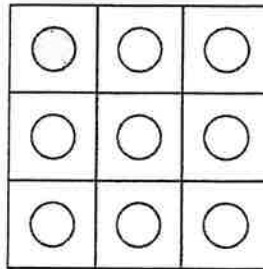
Read the questions carefully. Write your answers in the spaces provided.  
Show your work.

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



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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

$$2 \overline{)10} \quad 4 \overline{)8} \quad 8 \overline{)56} \quad 3 \overline{)18} \quad 4 \overline{)16} \quad 3 \overline{)24} \quad 7 \overline{)21} \quad 7 \overline{)28} \quad 4 \overline{)32} \quad 2 \overline{)12}$$

$$4 \overline{)12} \quad 6 \overline{)48} \quad 3 \overline{)9} \quad 9 \overline{)54} \quad 7 \overline{)35} \quad 8 \overline{)32} \quad 7 \overline{)56} \quad 5 \overline{)30} \quad 8 \overline{)16} \quad 9 \overline{)63}$$

$$7 \overline{)14} \quad 8 \overline{)40} \quad 8 \overline{)72} \quad 6 \overline{)54} \quad 7 \overline{)49} \quad 5 \overline{)35} \quad 8 \overline{)48} \quad 5 \overline{)25} \quad 6 \overline{)42} \quad 3 \overline{)21}$$

TUESDAY

$$8 \overline{)32} \quad 9 \overline{)27} \quad 8 \overline{)40} \quad 6 \overline{)54} \quad 5 \overline{)15} \quad 4 \overline{)16} \quad 6 \overline{)24} \quad 5 \overline{)20} \quad 9 \overline{)36} \quad 7 \overline{)35}$$

$$9 \overline{)54} \quad 8 \overline{)24} \quad 3 \overline{)15} \quad 7 \overline{)21} \quad 6 \overline{)42} \quad 9 \overline{)45} \quad 6 \overline{)48} \quad 5 \overline{)30} \quad 3 \overline{)9} \quad 5 \overline{)35}$$

$$9 \overline{)63} \quad 7 \overline{)28} \quad 2 \overline{)10} \quad 3 \overline{)24} \quad 8 \overline{)56} \quad 5 \overline{)40} \quad 4 \overline{)28} \quad 4 \overline{)20} \quad 7 \overline{)42} \quad 5 \overline{)10}$$

WEDNESDAY

$$8 \overline{)32} \quad 3 \overline{)21} \quad 5 \overline{)40} \quad 3 \overline{)18} \quad 2 \overline{)14} \quad 6 \overline{)42} \quad 5 \overline{)10} \quad 4 \overline{)24} \quad 4 \overline{)16} \quad 5 \overline{)15}$$

$$3 \overline{)12} \quad 7 \overline{)42} \quad 3 \overline{)6} \quad 2 \overline{)12} \quad 8 \overline{)48} \quad 6 \overline{)18} \quad 5 \overline{)30} \quad 5 \overline{)45} \quad 8 \overline{)24} \quad 4 \overline{)36}$$

$$4 \overline{)12} \quad 7 \overline{)28} \quad 9 \overline{)18} \quad 7 \overline{)14} \quad 7 \overline{)49} \quad 4 \overline{)32} \quad 6 \overline{)24} \quad 5 \overline{)25} \quad 7 \overline{)63} \quad 8 \overline{)56}$$

THURSDAY

$8\sqrt{72}$     $3\sqrt{15}$     $9\sqrt{36}$     $4\sqrt{32}$     $5\sqrt{35}$     $8\sqrt{40}$     $5\sqrt{40}$     $8\sqrt{64}$     $6\sqrt{18}$     $2\sqrt{14}$

$7\sqrt{14}$     $3\sqrt{6}$     $4\sqrt{28}$     $8\sqrt{48}$     $7\sqrt{42}$     $4\sqrt{24}$     $9\sqrt{81}$     $3\sqrt{27}$     $3\sqrt{21}$     $9\sqrt{45}$

$7\sqrt{56}$     $8\sqrt{32}$     $6\sqrt{42}$     $6\sqrt{54}$     $8\sqrt{56}$     $7\sqrt{49}$     $8\sqrt{16}$     $3\sqrt{18}$     $2\sqrt{10}$     $8\sqrt{24}$

FRIDAY

$6\sqrt{36}$     $2\sqrt{14}$     $9\sqrt{54}$     $9\sqrt{81}$     $4\sqrt{12}$     $3\sqrt{27}$     $2\sqrt{8}$     $7\sqrt{28}$     $9\sqrt{45}$     $3\sqrt{15}$

$7\sqrt{42}$     $6\sqrt{42}$     $5\sqrt{20}$     $3\sqrt{9}$     $3\sqrt{12}$     $8\sqrt{40}$     $8\sqrt{24}$     $7\sqrt{63}$     $9\sqrt{36}$     $8\sqrt{64}$

$5\sqrt{15}$     $5\sqrt{40}$     $2\sqrt{10}$     $4\sqrt{28}$     $9\sqrt{63}$     $3\sqrt{18}$     $6\sqrt{12}$     $7\sqrt{49}$     $6\sqrt{48}$     $5\sqrt{25}$

$7\sqrt{14}$     $4\sqrt{20}$     $4\sqrt{16}$     $9\sqrt{18}$     $3\sqrt{24}$     $7\sqrt{21}$     $6\sqrt{54}$     $4\sqrt{24}$     $5\sqrt{45}$     $5\sqrt{35}$

$7\sqrt{35}$     $2\sqrt{12}$     $3\sqrt{6}$     $8\sqrt{56}$     $3\sqrt{21}$     $2\sqrt{6}$     $8\sqrt{32}$     $6\sqrt{24}$     $8\sqrt{48}$     $5\sqrt{30}$

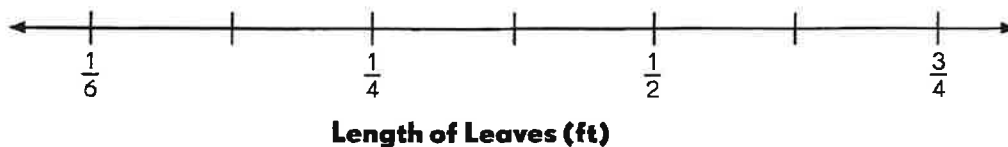
$4\sqrt{8}$     $4\sqrt{36}$     $9\sqrt{72}$     $4\sqrt{32}$     $2\sqrt{18}$     $8\sqrt{72}$     $7\sqrt{56}$     $6\sqrt{18}$     $6\sqrt{30}$     $8\sqrt{16}$

Use the data below for exercises 60. and 61.  $\square$  Week 8 = # 60 - 61

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.

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

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



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?

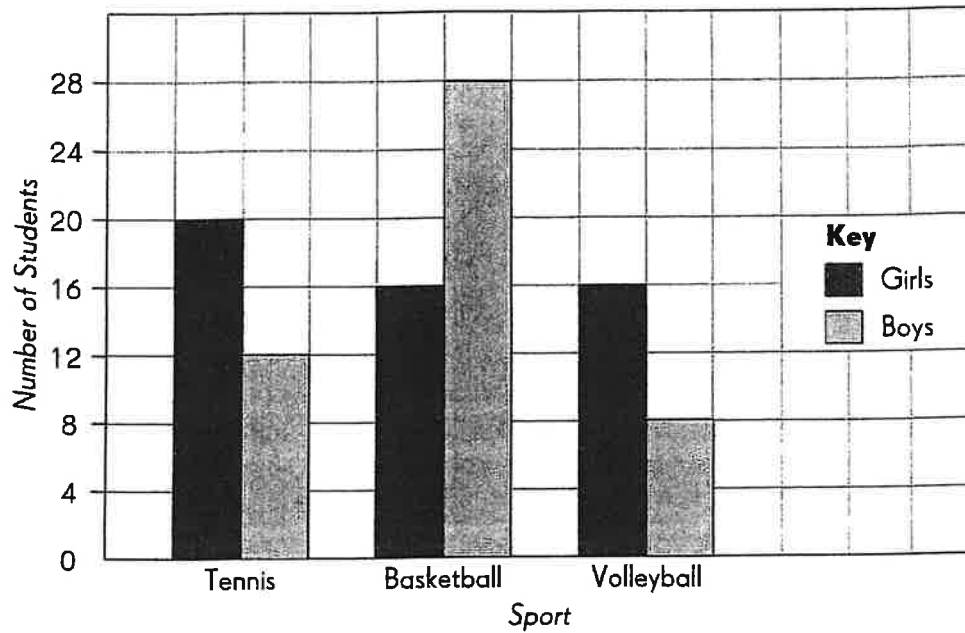
\_\_\_\_\_

- 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.

**Favorite Sports of Students**



**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*)

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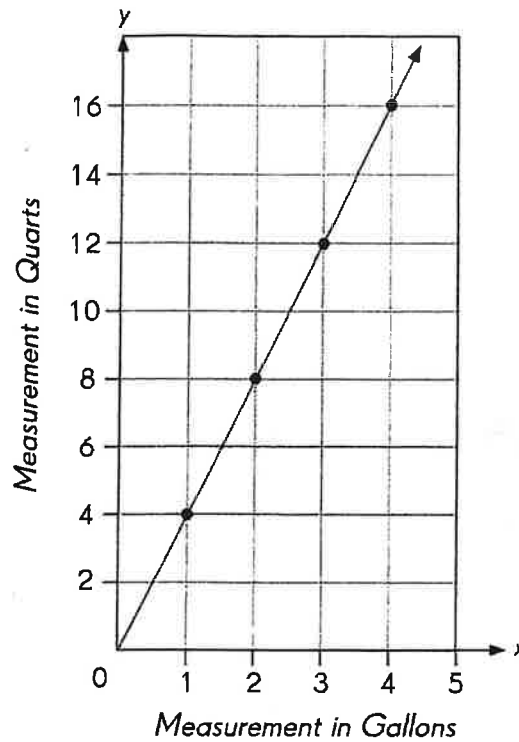
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Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

**Conversion Between Gallons and Quarts**



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- 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.

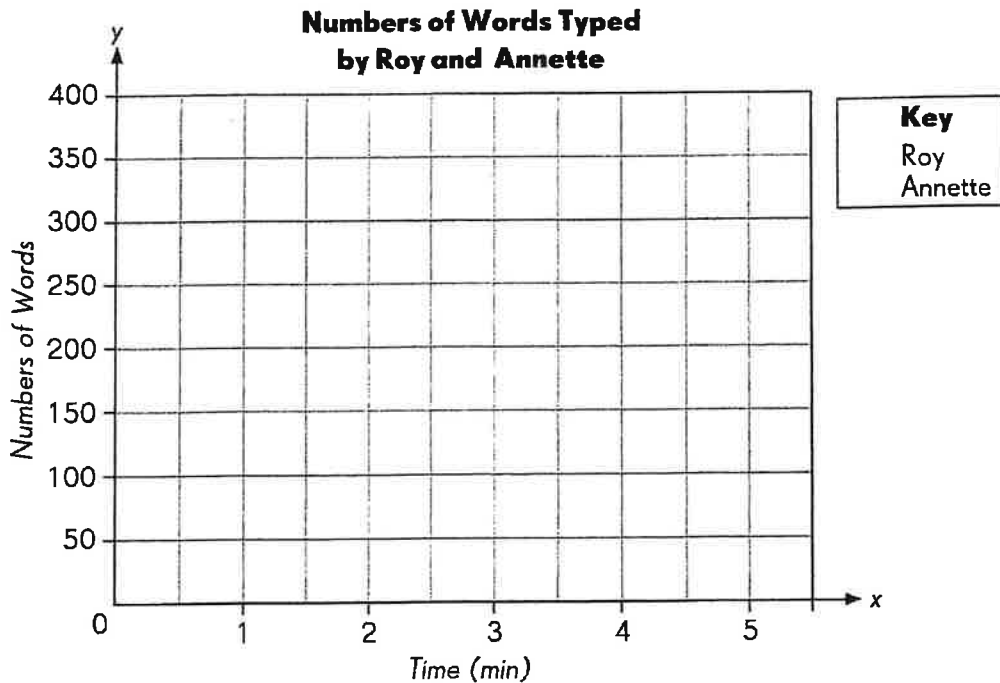
**Number of Words Typed by Roy**

<b>Time (min)</b>	1	2	3	4	5
<b>Number of Words</b>	60				

**Number of Words Typed by Annette**

<b>Time (min)</b>	1	2	3	4	5
<b>Number of Words</b>	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

$3 \overline{) 12} \quad 8 \overline{) 72} \quad 4 \overline{) 24} \quad 10 \overline{) 40} \quad 5 \overline{) 35} \quad 4 \overline{) 12} \quad 3 \overline{) 24} \quad 5 \overline{) 40} \quad 2 \overline{) 4} \quad 11 \overline{) 77}$

$11 \overline{) 66} \quad 3 \overline{) 6} \quad 8 \overline{) 24} \quad 6 \overline{) 24} \quad 7 \overline{) 70} \quad 6 \overline{) 54} \quad 8 \overline{) 48} \quad 11 \overline{) 55} \quad 7 \overline{) 35} \quad 10 \overline{) 110}$

$4 \overline{) 16} \quad 4 \overline{) 32} \quad 4 \overline{) 36} \quad 3 \overline{) 9} \quad 7 \overline{) 63} \quad 3 \overline{) 21} \quad 4 \overline{) 8} \quad 2 \overline{) 16} \quad 8 \overline{) 56} \quad 9 \overline{) 45}$

TUESDAY

$5 \overline{) 40} \quad 12 \overline{) 96} \quad 3 \overline{) 27} \quad 8 \overline{) 40} \quad 10 \overline{) 60} \quad 7 \overline{) 63} \quad 3 \overline{) 33} \quad 8 \overline{) 64} \quad 6 \overline{) 30} \quad 5 \overline{) 35}$

$8 \overline{) 16} \quad 4 \overline{) 44} \quad 5 \overline{) 55} \quad 9 \overline{) 45} \quad 7 \overline{) 35} \quad 8 \overline{) 56} \quad 3 \overline{) 30} \quad 10 \overline{) 100} \quad 11 \overline{) 88} \quad 4 \overline{) 24}$

$2 \overline{) 20} \quad 3 \overline{) 36} \quad 7 \overline{) 28} \quad 6 \overline{) 12} \quad 11 \overline{) 55} \quad 8 \overline{) 32} \quad 6 \overline{) 48} \quad 5 \overline{) 10} \quad 2 \overline{) 24} \quad 6 \overline{) 54}$

WEDNESDAY

$5 \overline{) 30} \quad 6 \overline{) 72} \quad 6 \overline{) 12} \quad 5 \overline{) 15} \quad 4 \overline{) 28} \quad 6 \overline{) 54} \quad 3 \overline{) 18} \quad 3 \overline{) 9} \quad 11 \overline{) 110} \quad 11 \overline{) 44}$

$10 \overline{) 110} \quad 6 \overline{) 66} \quad 8 \overline{) 40} \quad 4 \overline{) 32} \quad 7 \overline{) 42} \quad 9 \overline{) 27} \quad 10 \overline{) 60} \quad 8 \overline{) 88} \quad 11 \overline{) 88} \quad 2 \overline{) 24}$

$3 \overline{) 24} \quad 7 \overline{) 49} \quad 7 \overline{) 70} \quad 7 \overline{) 28} \quad 8 \overline{) 56} \quad 6 \overline{) 18} \quad 2 \overline{) 6} \quad 2 \overline{) 4} \quad 8 \overline{) 64} \quad 7 \overline{) 14}$

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.

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 \_\_\_\_\_.

ratio  
terms  
equivalent ratios  
simplest form  
greatest common factor

## Dividing Decimal Numbers

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

$$\begin{array}{r} 46.58 \\ 2.1 \end{array}$$

$$2.1 \overline{)46.58}$$

$$46.58 \div 2.1$$

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 into) the same number of places to the right as you moved it in the divisor.

$$21 \overline{)46.58}$$

$$100 \overline{)8100}$$

$$4 \overline{)61}$$

$$8 \overline{)110}$$

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

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

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

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

Rounded to hundredth

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

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)  $329 \overline{)2.303}$

Mult. & Division  
Decimals

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

Simplify:

1.  $3.056 \times .03$

2.  $12.672 \times .0012$

3.  $7 \times .045$

4.  $.00492 \div .012$

**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**

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