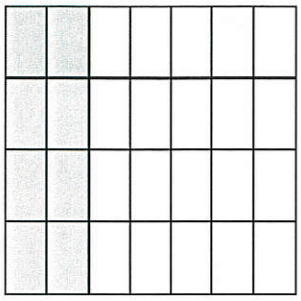
Monday - at your seat

Multiplying Fractions (Visual)

Name:

Use the box provided to show a visual example of how to multiply two fractions.

Ex) $\frac{2}{7} \times \frac{1}{4} =$



1) $\frac{1}{4} \times \frac{4}{7} =$

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

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

4) $\frac{2}{8} \times \frac{3}{6} =$

5) $\frac{8}{9} \times \frac{2}{3} =$

6) $\frac{3}{8} \times \frac{1}{2} =$

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

8) $\frac{5}{9} \times \frac{1}{2} =$

9) $\frac{3}{8} \times \frac{2}{9} =$

10) $\frac{5}{9} \times \frac{1}{2} =$

11) $\frac{1}{7} \times \frac{2}{7} =$

Answers

Ex. 2/28

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____

1-10	91	82	73	64	55	45	36	27	18	9
11	0									

Solve with models

(12) $\frac{1}{3} \div \frac{1}{2}$

(13) $\frac{1}{4} \div \frac{2}{3}$

(14) $\frac{2}{5} \div \frac{1}{6}$

(15) $\frac{1}{8} \div \frac{1}{4}$

Ratios

Name:

1.	2.	3.
4.	5.	6.
7.	8.	9.
10.	11.	12.
13.	14.	15.
16.	17.	18.
19.	20.	

Ratios

Name:

1.	2.	3.
4.	5.	6.
7.	8.	9.
10.	11.	12.
13.	14.	15.
16.	17.	18.
19.	20.	

1 Use the figures below to write each ratio three ways.

Ratio:
Green to White Figures

2 Use the figures below to write each ratio three ways.

Ratio:
Purple to White Circles

3 Use the figures below to write each ratio three ways.

Ratio:
Colored to White Figures

4 Use the figures below to write each ratio three ways.

Ratio:
Stars to Circles

5 Use the address below to write each ratio three ways.

118 Marla Drive
Cohutta, GA 30710

Ratio:

Numbers to Letters

6 Use the address below to write each ratio three ways.

118 Marla Drive
Cohutta, GA 30710

Ratio:

Vowels to Consonants

7 Use the address below to write each ratio three ways.

118 Marla Drive
Cohutta, GA 30710

Ratio:

Consonants to Numbers

8 Use the address below to write each ratio three ways.

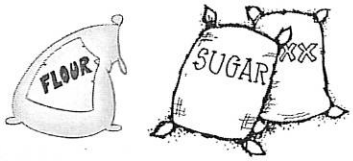
118 Marla Drive
Cohutta, GA 30710

Ratio:

Vowels to Letters

9 A recipe calls for 5 cups of flour and 2 cups of sugar. What is the ratio of sugar to flour?

Write ratio all three ways



10 Out of 24 students in math class, 21 wore tennis shoes to school. What is the ratio of students who wore tennis shoes to those who did not wear them?

Write ratio all three ways
SIMPLIFY if possible.

11 In 2012, the Braves won a total of 94 regular season games, but lost 68 games. What is the ratio of lost games to total games played in the regular season?

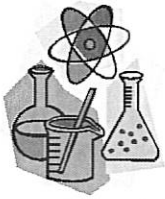
Write ratio all three ways
SIMPLIFY if possible.

12 There are 16 windows in Tyler's house. He has cleaned 12 of them so far. What is the ratio of the dirty windows to the total windows?

Write ratio all three ways
SIMPLIFY if possible.

13 Eight boys and 17 girls are going on the sixth grade field trip. What is the ratio of girls to boys?

Write ratio all three ways



14 Marcos found a box a DVDs in his closet that contained 14 action movies and three love stories. What is the ratio of love stories to total movies?

Write ratio all three ways
SIMPLIFY if possible.

15 Simplify the ratio below in lowest terms.

12:16

Write ratio all three ways

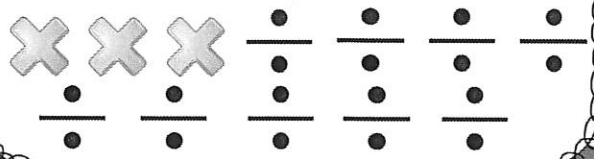
16 Simplify the ratio below in lowest terms.

27 to 9

Write ratio all three ways

17 Write an equivalent ratio, in simplest form, of dimes to pennies, as seen in the illustration below.

18 Write an equivalent ratio, in simplest form, of division symbols to multiplication symbols as seen in the illustration below.



Write ratio all three ways

19 There are 12 lions, 18 flamingos, and 27 monkeys at the Knoxville Zoo. Is the ratio of lions to flamingos equivalent to the ratio of flamingos to monkeys? EXPLAIN why or why not.

20 Simplify the ratio below in lowest terms.

4 to 64

Write ratio all three ways

Name:_____
Date:_____

Rates and Unit Rates 1
Classwork

Find the unit rate.

101. $60.00 in 5 hours

102. 30 students per 2 teachers

103. $2.97 for 3 rolls of paper towels

104. 1275 computers for 425 students

105. 60 cans for 30 days

106. 35 meals for 5 days

107. 300 miles in 6 hours

108. $700 in 5 days

109. 300 feet in 20 minutes

110. 40 pages in 20 minutes

Monday Super Puzzle -Show work on back

Homework → Find unit rate

111. $72.00 in 12 hours

112. 120 students per 40 teachers

113. 8 slices per 2 people

114. 990 miles per 30 gallons of gas

115. 60 votes per 10 hours

116. 24 rolls of toilet paper for $16.00

117. 1500 km in 3 hours

118. 42 feet in 6 minutes

119. 45 bags in 5 minutes

120. $9.45 in 3 hours

Wednesday Super Puzzle -Show work on back.

Wed & Thurs Review Center

Diamond Math Problems

Name: _____ Date: _____

Complete the diamond problems. The top cell contains the *product* of the numbers in the left and right cells, while the bottom cell contains the *sum.*

(1) 36 / +9 / +4 / 13

(2) +4 / 14

(3) +8 / 18

(4) -60 / -5

(5) -3 / 7

(6) 40 / +8

(7) -6 / -2

(8) -10 / -3

(9) -22 / -2

(10) -44 / -4

(11) +7 / 0

(12) 63 / +9

(13) +5 / -4

(14) -12 / -1

(15) -8 / -4

(16) +7 / 5

(17) -9 / -3

(18) -36 / 5

(19) 12 / 13

(20) -11 / 10

(21) -12 / 1

(22) -88 / -3

(23) -144 / 0

(24) -88 / 3

(25) -40 / 3

(26) 32 / 12

(27) 22 / 13

(28) -90 / -1

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Drops in the Bucket - Math Level D **Number 31**

Name _____ **Score** _____

1 Basic Facts

7 ÷ 1 =	16 – 8 =	2 x 8 =	7 x 3 =	18 ÷ 2 =
9 x 5 =	15 ÷ 5 =	9 + 9 =	4 x 4 =	12 ÷ 6 =
9 – 6 =	10 ÷ 2 =	14 ÷ 2 =	5 x 5 =	4 ÷ 1 =

2 Algorithms

$26.59	5603	26	$3\overline{)78}$	6 hrs 20 min
+ 3.59	– 729	x 4		– 2 hrs 40 min

3 Estimating Rounding

Round to the nearest dollar.

$418.95 ≈ _____ $26.09 ≈ _____ $9.75 ≈ _____

$356.39 ≈ _____ $3,419.64 ≈ _____

4 Story Problems

Ann earned $30 babysitting and $15 helping a neighbor paint a fence. How do her earnings compare with the cost of a $70 chemistry set?

5 Equivalent Fractions

$\frac{1}{2} = \frac{\square}{4}$ $\frac{1}{2} = \frac{\square}{12}$ $\frac{1}{3} = \frac{6}{\square}$ $\frac{1}{5} = \frac{2}{\square}$ $1 = \frac{\square}{3}$

6 Vocabulary Concepts Facts

Know and Spell
even - odd
inch - foot
pint - quart
ounce - oz
pound - lb
discount

A. How many cups in a pint? _____
B. A number ending with an even digit is an _____ number.
C. The standard unit this long ——— is one _____.
D. If you serve a dozen muffins, how many is that? _____
E. How many ounces in a pound? _____

7 Fractional Parts

$\frac{1}{2}$ of 6 $\frac{1}{4}$ of 0 $\frac{1}{5}$ of 45 $\frac{1}{3}$ of 12 $\frac{2}{3}$ of 12

8 Place Value Numeration

A. Write the number that is one more than 999. _____
B. Write fifty-six thousand, five hundred ten. _____
C. Write the expanded notation. 4,261 = _____
D. Write a 5-digit number that has a 7 in the tens place. _____
E. Arrange 5, 7, 3, and 2 to make the largest possible number. _____

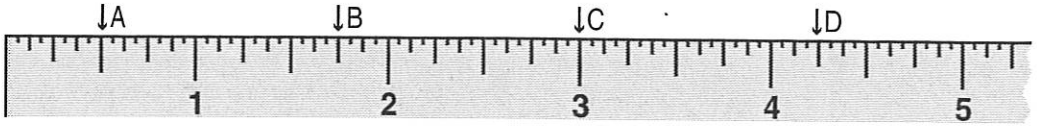
9 Other Important Topics

Are the lines perpendicular (at right angles)? Write *yes* or *no*.

_____ _____ _____ _____ _____

10 Rulers

A is at _____. B is at _____. C is at _____. D is at _____. Put E at $4\frac{3}{4}$.



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Super Puzzle → Tuesday

You run 3 laps in 1 minute. You complete 21 laps in 7 minutes. Are these two ratios proportional?

1

Your team wins 66 of 82 games. Is this proportional to 99 wins in 125 games?

2

Are x and y proportional?

x	1	2	3	4
y	3	4	5	6

3

Solve the proportion.

$$\frac{15}{8} = \frac{45}{c}$$

4

Solve the proportion.

$$\frac{b}{36} = \frac{5}{9}$$

5

Solve the proportion.

$$\frac{1.4}{2.5} = \frac{f}{25}$$

6

Write a proportion and solve.

You can buy 3 t-shirts for $24. How much can you buy 7 t-shirts for?

7

Write a proportion and solve.

A school requires 2 ipads for every 5 students. How many ipads are needed for 145 students?

8

Write a proportion and solve.

Forty-eight pens are packaged in 4 boxes. How many pens are packaged in 9 boxes?

9

Write a proportion and solve.

For $10.50 you can buy 3 medium pizzas. How much does it cost to buy 10 medium pizzas?

10

Name: _____ Thurs. Super Puzzle

1-5 Rates & Proportions Task Cards

Response Sheet

1 A B C D	2 A B C D	3 A B C D
4 A B C D	5 A B C D	

Name: _____ Thurs. Super Puzzle

1-5 Rates & Proportions Task Cards

Response Sheet

1 A B C D	2 A B C D	3 A B C D
4 A B C D	5 A B C D	

1

Pamela used $\frac{3}{4}$m of ribbon to make 10 birthday cards. How much ribbon does she use for each card?

A) 0.075m

B) 0.133 m

C) 7.5 m

D) 13.3 m

2

Which two ratios show a proportional relationship?

A) $\frac{2}{8}$ and $\frac{6}{20}$

B) $\frac{4}{6}$ and $\frac{15}{20}$

C) $\frac{10}{15}$ and $\frac{12}{18}$

D) $\frac{15}{18}$ and $\frac{20}{25}$

3

A machine can fill 50 bottles in 2 minutes. Which equation shows how b, the number of bottles, is related to the time, t, in minutes?

A) $t=25b$

B) $B=25t$

C) $b=50t$

D) $b=50t+2$

4

Mattias bought 6.5 lb of fruit for $8.06. What was the unit price?

A) 12.4¢ per pound

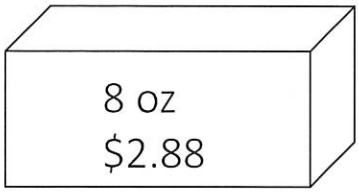
B) 52.4¢ per pound

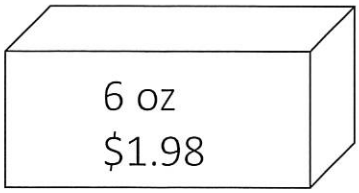
C) $1.24 per pound

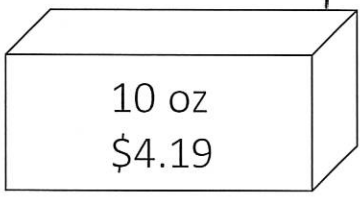
D) $5.24 per pound

5

Rachel paid $0.36 per ounce for cheese. Which block of cheese did she buy?

A) 

B) 

C) 

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