

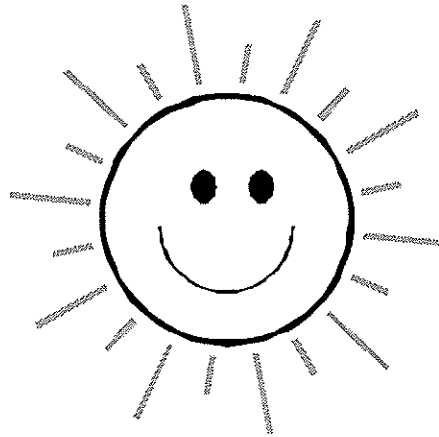


DEMOCRACY PREP
HARLEM ELEMENTARY
Work Hard. Go to College. Change the World!

Incoming 5th Grade Summer Homework Packet

Please have this ready for the start of the
2021-2022 school year!

Have a great Summer!



Name: _____



DEMOCRACY PREP
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Dear incoming 5th grader,

We are so proud of the growth that you have made this year! This summer homework packet will ensure you don't lose any of your hard-earned academic growth over the summer.

All the work in this packet must be neat and complete, just like what we expect during the school year. This lets us read all of your great work! Scholars will turn in this completed homework packet when school begins and will receive credit for completing all work. Each week, you will have some reading, math, and writing.

For your reading log, **you must choose 1 of the following titles**. PDFs (digital copies) of these novels can be found on DPHE's website (dphes.democracyprep.org) → Resources → Summer Homework. For the remainder of the summer, you can read any book you like from home, the library, or on Epic Books.

- *Where the Mountain Meets the Moon*
- *The Dreamer*
- *The One and Only Ivan*
- *Wonder*

If you have any questions regarding summer homework, please do not hesitate to reach out to Ms. Palmer (Principal) or Ms. Roberts (Assistant Principal).

Have a wonderful, safe summer! We look forward to seeing you in the 2021-2022 school year!

Sincerely,
The DPHE Team

Ms. Palmer – Principal
Phone: 917-597-2051
Email: Chelsey.palmer@democracyprep.org

Ms. Roberts – Assistant Principal
Phone: 917-576-6527
Email: Allison.roberts@democracyprep.org

NOTE: If you are opting for the virtual summer homework option, please check the Democracy Prep Harlem Elementary website (dphes.democracyprep.org) for details.

Incoming 5th Grade

Math Review Packet

THIS BELONGS TO:

COLOR BY NUMBERS

- * Please show work in the space provided
- * Please refrain from using calculators



DEMOCRACY PREP PUBLIC SCHOOLS

Work Hard. Go to College. Change the World!

Incoming DPHE 5th Graders,

We are providing two different methods to help support your scholar in maintaining the skills necessary for success in the upcoming school year. We do encourage scholars to get back to practicing paper and pencil activities so all work can be shown.

1. Please use this math packet for your Democracy Prep Summer Math homework. This packet contains all the skills taught within 4th grade that will support you as you enter 5th grade.

- *Place value
- *Multiplying multi-digit numbers
- *Dividing
- *Comparing fractions
- *Equivalent fractions
- *Adding and subtracting fractions
- *Understanding fractions as decimals
- *Converting units
- *Finding area
- *Reading a line plot
- *Geometry

2. Kahn Academy (<https://www.khanacademy.org/>) is a great online resource for both scholars and parents. It is a free program that will allow you to create an account. The account is very easy to create. Khan Academy will walk you through step by step after you sign on to the Khan Academy homepage.

Khan Academy breaks down every topic in every module of our Eureka Math Curriculum taught at Democracy Prep Harlem Elementary. This curriculum is aligned to the NY Common State Standards.

It provides videos to support or teach skills on every topics. It also provides practice and a quiz to determine scholar growth on every topic.

Make sure that you are searching **4th grade (Eureka Math/EngageNY)**. This is the math curriculum used in DPHE.

Using Kahn Academy not only can reteach/ support with skills that were learned in class, it can allow scholars to go beyond what we learned this school year. It can allow scholars to pre-learn upcoming topics or learn skills that will be taught in the upcoming months or next year.

Practice leads to confidence! Scholars who are confident with the math skills in 4th grade will have a successful 5th grade year.

Happy practicing,
The 5th grade team

Each place in a place-value chart has a value that is 10 times as great as the place value to its right.

Whole Numbers

Decimals

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths	Ten Thousandths
10^6	10^5	10^4	10^3	10^2	10^1	10^0	10^{-1}	10^{-2}	10^{-3}	10^{-4}
1,000,000	100,000	10,000	1,000	100	10	1	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1,000}$	$\frac{1}{10,000}$
			Kindergarten	first grade	doesn't	usually	drink	chocolate	milk	
			King	Henry	Doesn't	usually	Drink	Chocolate	Milk	

Larger Place Value

Place Value

Week of July 5-9



DEMOCRACY PREP
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Daily Reading Log

Directions: Choose 1 novel from the DPHE website to read this summer. *When you finish that novel, you can choose any book from home, the library, or Epic books (create an account).* Read every day for at least 20 minutes. Complete a daily reading log each day after reading.

Day	Title	Author	Page Numbers	Minutes Read	Parent Signature
Monday					
Tuesday					
Wednesday					
Thursday					
Friday					

Number Correct: _____

A

Multiply and Divide by 10

1.	$2 \times 10 =$	
2.	$3 \times 10 =$	
3.	$4 \times 10 =$	
4.	$5 \times 10 =$	
5.	$1 \times 10 =$	
6.	$20 \div 10 =$	
7.	$30 \div 10 =$	
8.	$50 \div 10 =$	
9.	$10 \div 10 =$	
10.	$40 \div 10 =$	
11.	$6 \times 10 =$	
12.	$7 \times 10 =$	
13.	$8 \times 10 =$	
14.	$9 \times 10 =$	
15.	$10 \times 10 =$	
16.	$80 \div 10 =$	
17.	$70 \div 10 =$	
18.	$90 \div 10 =$	
19.	$60 \div 10 =$	
20.	$100 \div 10 =$	
21.	$__ \times 10 = 50$	
22.	$__ \times 10 = 10$	

23.	$__ \times 10 = 100$	
24.	$__ \times 10 = 20$	
25.	$__ \times 10 = 30$	
26.	$100 \div 10 =$	
27.	$50 \div 10 =$	
28.	$10 \div 10 =$	
29.	$20 \div 10 =$	
30.	$30 \div 10 =$	
31.	$__ \times 10 = 60$	
32.	$__ \times 10 = 70$	
33.	$__ \times 10 = 90$	
34.	$__ \times 10 = 80$	
35.	$70 \div 10 =$	
36.	$90 \div 10 =$	
37.	$60 \div 10 =$	
38.	$80 \div 10 =$	
39.	$11 \times 10 =$	
40.	$110 \div 10 =$	
41.	$30 \div 10 =$	
42.	$120 \div 10 =$	
43.	$14 \times 10 =$	
44.	$140 \div 10 =$	

Number Correct: _____

A

Multiply by 4

1.	$1 \times 4 =$	
2.	$4 \times 1 =$	
3.	$2 \times 4 =$	
4.	$4 \times 2 =$	
5.	$3 \times 4 =$	
6.	$4 \times 3 =$	
7.	$4 \times 4 =$	
8.	$5 \times 4 =$	
9.	$4 \times 5 =$	
10.	$6 \times 4 =$	
11.	$4 \times 6 =$	
12.	$7 \times 4 =$	
13.	$4 \times 7 =$	
14.	$8 \times 4 =$	
15.	$4 \times 8 =$	
16.	$9 \times 4 =$	
17.	$4 \times 9 =$	
18.	$10 \times 4 =$	
19.	$4 \times 10 =$	
20.	$4 \times 3 =$	
21.	$1 \times 4 =$	
22.	$2 \times 4 =$	

23.	$10 \times 4 =$	
24.	$9 \times 4 =$	
25.	$4 \times 4 =$	
26.	$8 \times 4 =$	
27.	$4 \times 3 =$	
28.	$7 \times 4 =$	
29.	$6 \times 4 =$	
30.	$4 \times 10 =$	
31.	$4 \times 5 =$	
32.	$4 \times 6 =$	
33.	$4 \times 1 =$	
34.	$4 \times 9 =$	
35.	$4 \times 4 =$	
36.	$4 \times 3 =$	
37.	$4 \times 2 =$	
38.	$4 \times 7 =$	
39.	$4 \times 8 =$	
40.	$11 \times 4 =$	
41.	$4 \times 11 =$	
42.	$12 \times 4 =$	
43.	$4 \times 12 =$	
44.	$13 \times 4 =$	

Name _____

Date _____

Complete each statement by rounding the number to the given place value. Use the number line to show your work.

1. a. 67,000 rounded to the nearest ten thousand is _____.



2. a. 867,000 rounded to the nearest hundred thousand is _____.



- b. 51,988 rounded to the nearest ten thousand is _____.



- b. 767,074 rounded to the nearest hundred thousand is _____.



- c. 105,159 rounded to the nearest ten thousand is _____.



- c. 629,999 rounded to the nearest hundred thousand is _____.



3. 491,852 people went to the water park in the month of July. Round this number to the nearest hundred thousand to estimate how many people went to the park. Use a number line to show your work.

4. This number was rounded to the nearest hundred thousand. List the possible digits that could go in the ten thousands place to make this statement correct. Use a number line to show your work.

$$1_9,644 \approx 100,000$$

5. Estimate the sum by rounding each number to the given place value.

$$164,215 + 216,088$$

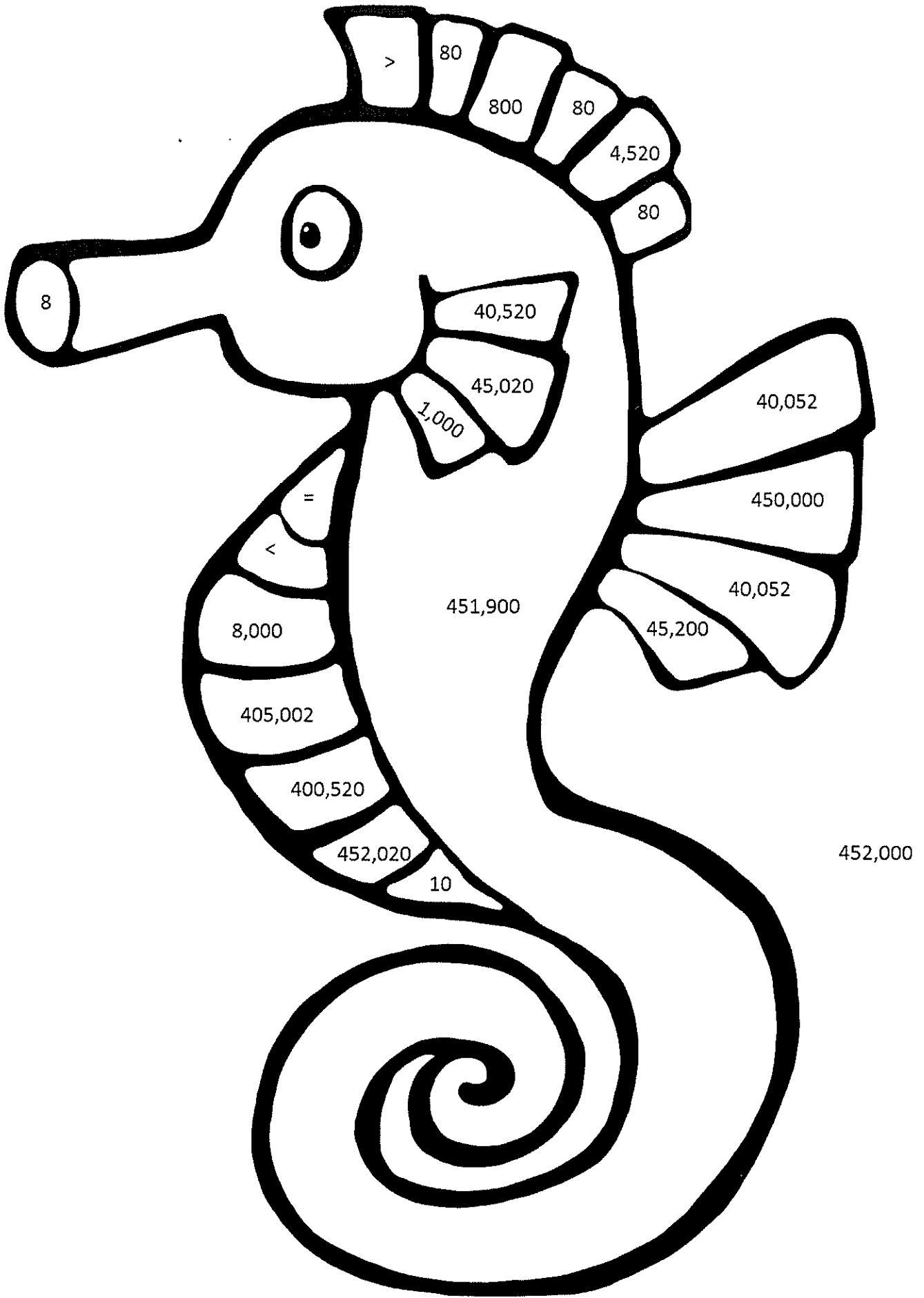
- a. Round to the nearest ten thousand.
- b. Round to the nearest hundred thousand.

Name _____

Place Value Color by Number: Sea Horse

Solve each problem. Then, look for the problem answer in the picture; and color that part of the picture the color listed by the problem.

<p>1 6,382</p> <p>The value of an eight worth 100 times the value of the eight in the number above.</p> <p style="text-align: right;"><i>Green</i></p>	<p>2 $5,000 \div 500 =$</p> <p style="text-align: right;"><i>Green</i></p>	<p>3 80 tens =</p> <p style="text-align: right;"><i>Purple</i></p>	<p>4 1,758</p> <p>The value of an eight worth 10 times the value of the eight in the number above.</p> <p style="text-align: right;"><i>Yellow</i></p>
<p>5 $50,000 \div 50 =$</p> <p style="text-align: right;"><i>Red</i></p>	<p>6 $800 \div 100 =$</p> <p style="text-align: right;"><i>Orange</i></p>	<p>7 Write as a base-ten numeral: <i>Forty thousand, fifty-two</i></p> <p style="text-align: right;"><i>Yellow</i></p>	<p>8 Write as a base-ten numeral: $4 \times 100,000 + 5 \times 1,000 + 2 \times 1$</p> <p style="text-align: right;"><i>Purple</i></p>
<p>9 Write as a base-ten numeral: <i>Four hundred thousand, five hundred twenty</i></p> <p style="text-align: right;"><i>Green</i></p>	<p>10 Write as a base-ten numeral: $40,000 + 500 + 20$</p> <p style="text-align: right;"><i>Red</i></p>	<p>11 Write as a base-ten numeral: <i>Forty-five thousand, two hundred</i></p> <p style="text-align: right;"><i>Purple</i></p>	<p>12 Write as a base-ten numeral: $4 \times 10,000 + 5 \times 1,000 + 2 \times 10$</p> <p style="text-align: right;"><i>Yellow</i></p>
<p>13 Compare the numbers below using <, >, or =: $92,932$ _____ $92,923$</p> <p style="text-align: right;"><i>Red</i></p>	<p>14 Compare the numbers below using <, >, or =: 530 _____ $5 \times 100 + 3 \times 10$</p> <p style="text-align: right;"><i>Green</i></p>	<p>15 Compare the numbers below using <, >, or =: $99,887$ _____ $121,561$</p> <p style="text-align: right;"><i>Yellow</i></p>	<p>16 Which of the following numbers has the greatest value? $4,502$ $4,052$ $4,520$</p> <p style="text-align: right;"><i>Red</i></p>
<p>17 Round to the closest ten thousand: 445,021</p> <p style="text-align: right;"><i>Purple</i></p>	<p>18 Round to the closest hundred: 451,889</p> <p style="text-align: right;"><i>Orange</i></p>	<p>19 Round to the closest hundred: 451,985</p> <p style="text-align: right;"><i>Blue</i></p>	<p>20 Round to the closest ten: 452,024</p> <p style="text-align: right;"><i>Yellow</i></p>



Week of July 12-16



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Daily Reading Log

Directions: Choose 1 novel from the DPHE website to read this summer. *When you finish that novel, you can choose any book from home, the library, or Epic books (create an account).* Read every day for at least 20 minutes. Complete a daily reading log each day after reading.

Day	Title	Author	Page Numbers	Minutes Read	Parent Signature
Monday					
Tuesday					
Wednesday					
Thursday					
Friday					

3. All 3,000 seats in a theater are being replaced. So far, 5 sections of 136 seats and a sixth section containing 348 seats have been replaced. How many more seats do they still need to replace?
4. Computer Depot sold 762 reams of paper. Paper Palace sold 3 times as much paper as Computer Depot and 143 reams more than Office Supply Central. How many reams of paper were sold by all three stores combined?

Name _____

Date _____

1. Round to the nearest thousand. Use the number line to model your thinking.

a. $5,900 \approx$ _____



b. $4,180 \approx$ _____



c. $32,879 \approx$ _____



d. $78,600 \approx$ _____



e. $251,031 \approx$ _____



f. $699,900 \approx$ _____



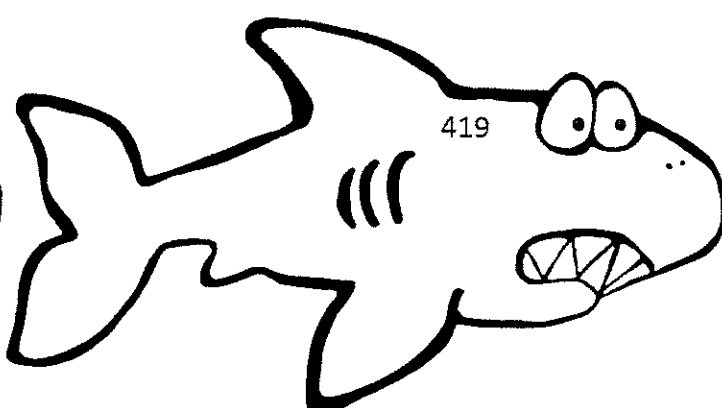
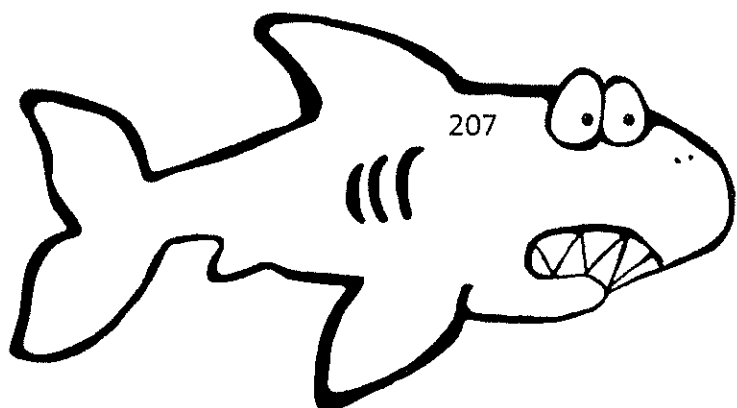
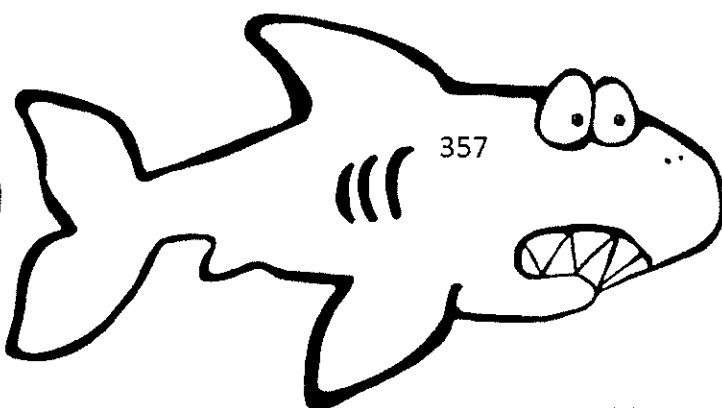
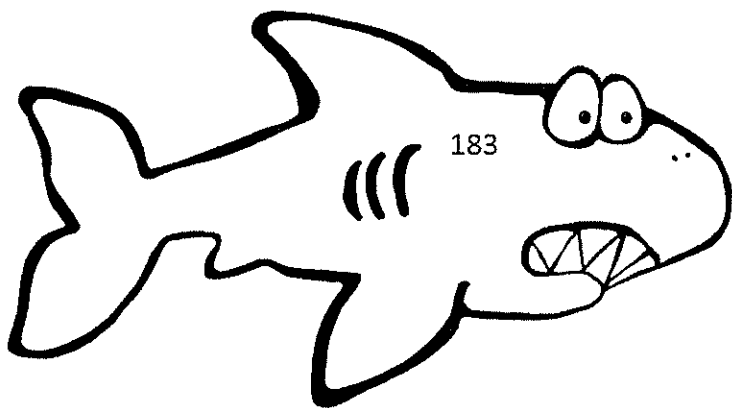
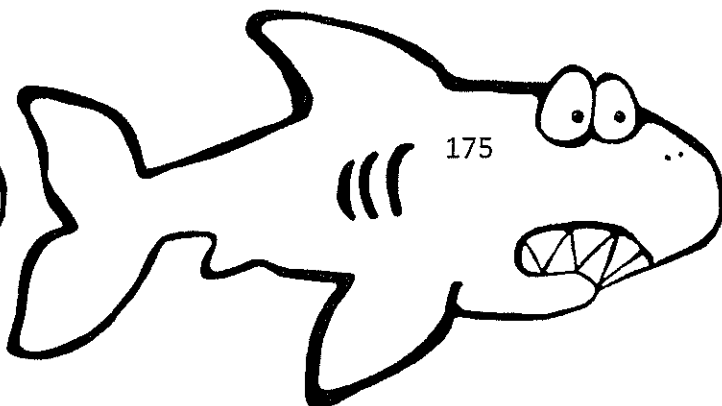
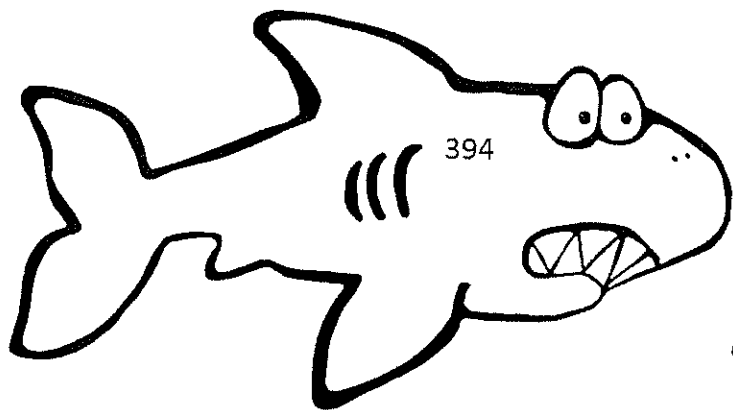
2. Steven put together 981 pieces of a puzzle. About how many pieces did he put together? Round to the nearest thousand. Use what you know about place value to explain your answer.
3. Louise's family went on vacation to Disney World. Their vacation cost \$5,990. Sophia's family went on vacation to Niagara Falls. Their vacation cost \$4,720. Both families budgeted about \$5,000 for their vacation. Whose family stayed closer to the budget? Round to the nearest thousand. Use what you know about place value to explain your answer.
4. Marsha's brother wanted help with the first question on his homework. The question asked the students to round 128,902 to the nearest thousand and then to explain the answer. Marsha's brother thought that the answer was 128,000. Was his answer correct? How do you know? Use pictures, numbers, or words to explain.

Name _____

Division Color by Number: Sharks

Solve each problem. Show your work. Then, look for the problem answer in the picture, and color that part of the picture the color listed by the problem.

<p>①</p> $8 \overline{)1,400}$ <p>Blue</p>	<p>②</p> $5 \overline{)915}$ <p>Black</p>	<p>③</p> $9 \overline{)2,160}$ <p>Brown</p>
<p>④</p> $4 \overline{)828}$ <p>Blue</p>	<p>⑤</p> $6 \overline{)1,284}$ <p>Green</p>	<p>⑥</p> $3 \overline{)864}$ <p>Yellow</p>
<p>⑦</p> $7 \overline{)2,758}$ <p>Orange</p>	<p>⑧</p> $2 \overline{)838}$ <p>Black</p>	<p>⑨</p> $5 \overline{)1,785}$ <p>Orange</p>



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Week of July 19-23



DEMOCRACY PREP
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Daily Reading Log

Directions: Choose 1 novel from the DPHE website to read this summer. *When you finish that novel, you can choose any book from home, the library, or Epic books (create an account).* Read every day for at least 20 minutes. Complete a daily reading log each day after reading.

Day	Title	Author	Page Numbers	Minutes Read	Parent Signature
Monday					
Tuesday					
Wednesday					
Thursday					
Friday					

Name _____

Date _____

1. Divide. Check your work by multiplying. Draw disks on a place value chart as needed.

a. $378 \div 2$

b. $795 \div 3$

c. $512 \div 4$

d. $492 \div 4$

e. $539 \div 3$

f. $862 \div 5$

g. $498 \div 3$

h. $783 \div 5$

i. $621 \div 4$

Name _____

Date _____

1. Solve.

a. $4\frac{1}{3} + \frac{1}{3}$

b. $5\frac{1}{4} + \frac{2}{4}$

c. $\frac{2}{6} + 3\frac{4}{6}$

d. $\frac{5}{8} + 7\frac{3}{8}$

2. Complete the number sentences.

<p>a. $3\frac{5}{6} + \underline{\hspace{1cm}} = 4$</p>	<p>b. $5\frac{3}{7} + \underline{\hspace{1cm}} = 6$</p>
<p>c. $5 = 4\frac{1}{8} + \underline{\hspace{1cm}}$</p>	<p>d. $15 = 14\frac{4}{12} + \underline{\hspace{1cm}}$</p>

3. Draw a number bond and the arrow way to show how to make one. Solve.

a. $2\frac{4}{5} + \frac{2}{5}$

b. $3\frac{2}{3} + \frac{2}{3}$

c. $4\frac{4}{6} + \frac{5}{6}$

$2\frac{4}{5} \xrightarrow{+\frac{1}{5}} 3 \xrightarrow{-\frac{1}{5}} 3\frac{1}{5}$

Name _____

Fractions Operations Color by Number: Sting Ray

Solve each problem. Show your work. Then, look for the problem answer in the picture, and color that part of the picture the color listed by the problem. (Fraction answers are simplified.)

<p>①</p> $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} =$ <p style="text-align: right;"><i>Red</i></p>	<p>②</p> $\frac{3}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} =$ <p style="text-align: right;"><i>Yellow</i></p>	<p>③</p> $\frac{6}{7} - \frac{1}{7} =$ <p style="text-align: right;"><i>Orange</i></p>
<p>④</p> $2\frac{2}{5} - 1\frac{3}{5} =$ <p style="text-align: right;"><i>Red</i></p>	<p>⑤</p> $1\frac{4}{5} + 1\frac{2}{5} =$ <p style="text-align: right;"><i>Green</i></p>	<p>⑥</p> $2 \times \frac{3}{5} =$ <p style="text-align: right;"><i>Orange</i></p>
<p>⑦</p> $3 \times \frac{4}{5} =$ <p style="text-align: right;"><i>Red</i></p>	<p>⑧</p> <p>There are $3\frac{1}{2}$ cheese pizzas and $1\frac{1}{2}$ pepperoni pizzas. How much total pizza is there?</p> <p style="text-align: right;"><i>Orange</i></p>	<p>⑨</p> <p>Justin, Hailey, and Tonya are eating a pan of brownies. Justin ate $\frac{2}{10}$ of it, Hailey ate $\frac{3}{10}$ of it, and Tonya ate $\frac{1}{10}$ of it. How much of the pan of brownies are left?</p> <p style="text-align: right;"><i>Orange</i></p>
<p>⑩</p> <p>Seven people each eat $\frac{1}{5}$ pound of grapes. What many total pounds of grapes are there?</p> <p style="text-align: right;"><i>Purple</i></p>	<p>⑪</p> <p>A headband is made of $\frac{7}{10}$ foot of ribbon. How much ribbon is needed to make 4 headbands?</p> <p style="text-align: right;"><i>Blue</i></p>	<p>⑫</p> <p>There are 5 pounds of cashews and $1\frac{1}{2}$ pounds of walnuts. How many more pounds of cashews are there?</p> <p style="text-align: right;"><i>Orange</i></p>



Week of July 26-30



DEMOCRACY PREP
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Daily Reading Log

Directions: Choose 1 novel from the DPHE website to read this summer. *When you finish that novel, you can choose any book from home, the library, or Epic books (create an account).* Read every day for at least 20 minutes. Complete a daily reading log each day after reading.

Day	Title	Author	Page Numbers	Minutes Read	Parent Signature
Monday					
Tuesday					
Wednesday					
Thursday					
Friday					

A

Number Correct: _____

Multiply Multiples of 10, 100, and 1,000

1.	$3 \times 2 =$	
2.	$30 \times 2 =$	
3.	$300 \times 2 =$	
4.	$3,000 \times 2 =$	
5.	$2 \times 3,000 =$	
6.	$2 \times 4 =$	
7.	$2 \times 40 =$	
8.	$2 \times 400 =$	
9.	$2 \times 4,000 =$	
10.	$3 \times 3 =$	
11.	$30 \times 3 =$	
12.	$300 \times 3 =$	
13.	$3,000 \times 3 =$	
14.	$4,000 \times 3 =$	
15.	$400 \times 3 =$	
16.	$40 \times 3 =$	
17.	$5 \times 3 =$	
18.	$500 \times 3 =$	
19.	$7 \times 2 =$	
20.	$70 \times 2 =$	
21.	$4 \times 4 =$	
22.	$4,000 \times 4 =$	

23.	$7 \times 5 =$	
24.	$700 \times 5 =$	
25.	$8 \times 3 =$	
26.	$80 \times 3 =$	
27.	$9 \times 4 =$	
28.	$9,000 \times 4 =$	
29.	$7 \times 6 =$	
30.	$7 \times 600 =$	
31.	$8 \times 9 =$	
32.	$8 \times 90 =$	
33.	$6 \times 9 =$	
34.	$6 \times 9,000 =$	
35.	$900 \times 9 =$	
36.	$8,000 \times 8 =$	
37.	$7 \times 70 =$	
38.	$6 \times 600 =$	
39.	$800 \times 7 =$	
40.	$7 \times 9,000 =$	
41.	$200 \times 5 =$	
42.	$5 \times 60 =$	
43.	$4,000 \times 5 =$	
44.	$800 \times 5 =$	

A

Number Correct: _____

Round to the Nearest 10,000

1.	21,000 ≈	
2.	31,000 ≈	
3.	41,000 ≈	
4.	541,000 ≈	
5.	49,000 ≈	
6.	59,000 ≈	
7.	69,000 ≈	
8.	369,000 ≈	
9.	62,000 ≈	
10.	712,000 ≈	
11.	28,000 ≈	
12.	37,000 ≈	
13.	137,000 ≈	
14.	44,000 ≈	
15.	56,000 ≈	
16.	456,000 ≈	
17.	15,000 ≈	
18.	25,000 ≈	
19.	35,000 ≈	
20.	235,000 ≈	
21.	75,000 ≈	
22.	175,000 ≈	

23.	185,000 ≈	
24.	85,000 ≈	
25.	95,000 ≈	
26.	97,000 ≈	
27.	98,000 ≈	
28.	198,000 ≈	
29.	798,000 ≈	
30.	31,200 ≈	
31.	49,300 ≈	
32.	649,300 ≈	
33.	64,520 ≈	
34.	164,520 ≈	
35.	17,742 ≈	
36.	917,742 ≈	
37.	38,396 ≈	
38.	64,501 ≈	
39.	703,280 ≈	
40.	239,500 ≈	
41.	708,170 ≈	
42.	188,631 ≈	
43.	777,499 ≈	
44.	444,919 ≈	

Name _____

Date _____

1. Solve using the standard algorithm.

a. 3×41	b. 9×41
c. 7×143	d. 7×286
e. $4 \times 2,048$	f. $4 \times 4,096$
g. $8 \times 4,096$	h. $4 \times 8,192$

2. Robert's family brings six gallons of water for the players on the football team. If one gallon of water contains 128 fluid ounces, how many fluid ounces are in six gallons?

3. It takes 687 Earth days for the planet Mars to revolve around the sun once. How many Earth days does it take Mars to revolve around the sun four times?

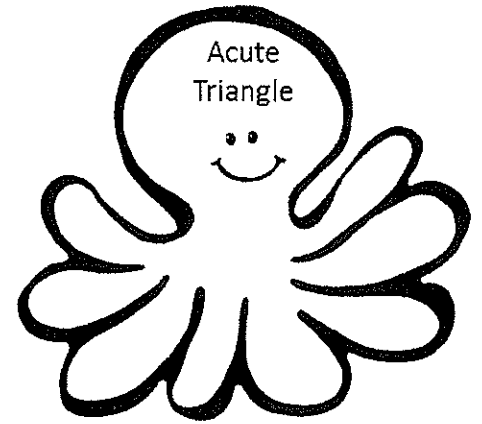
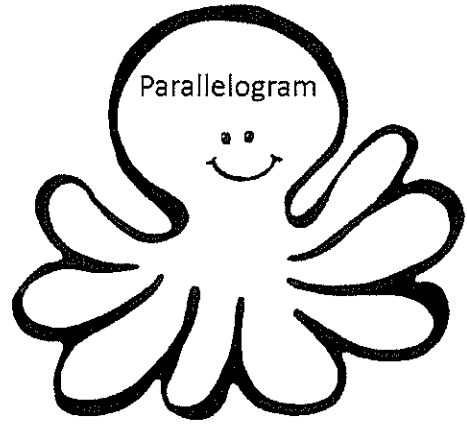
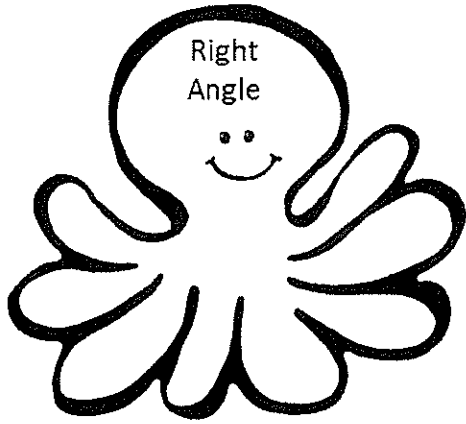
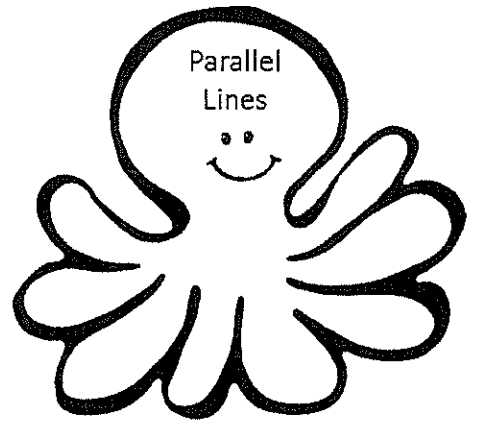
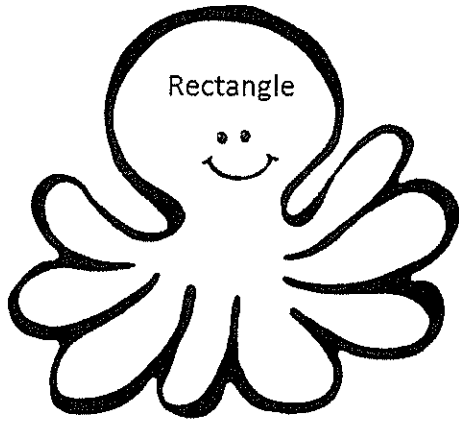
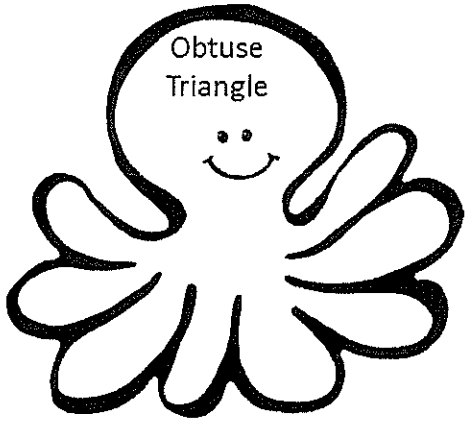
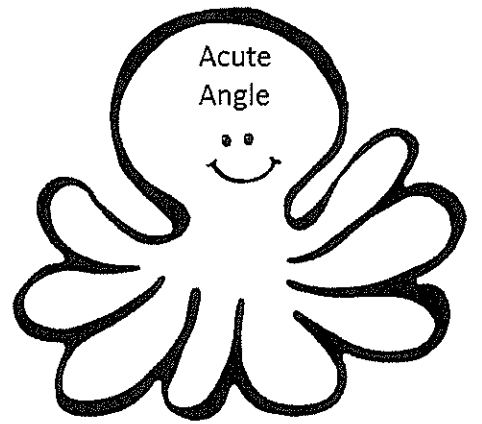
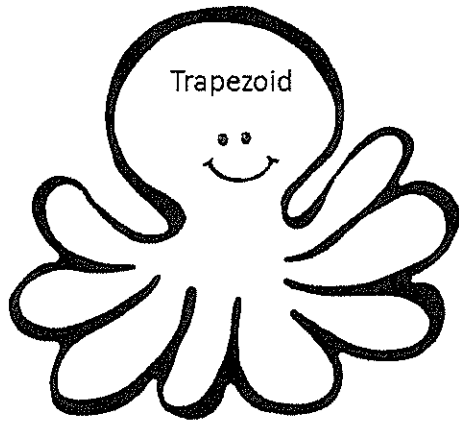
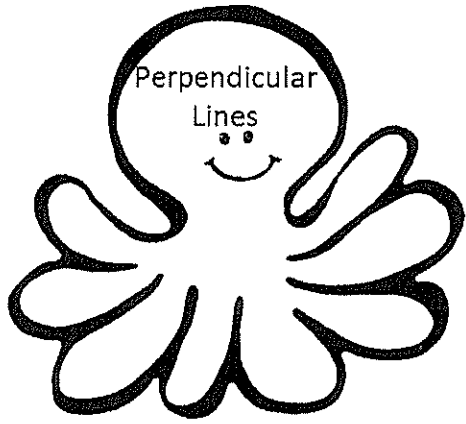
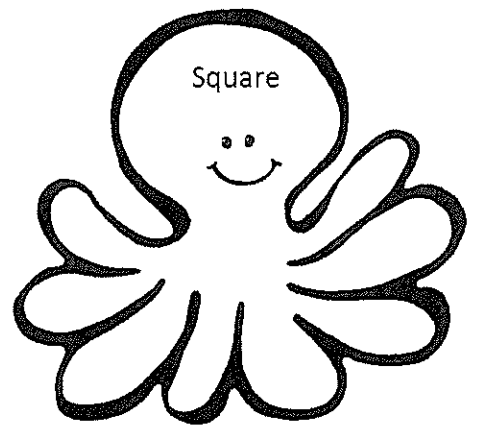
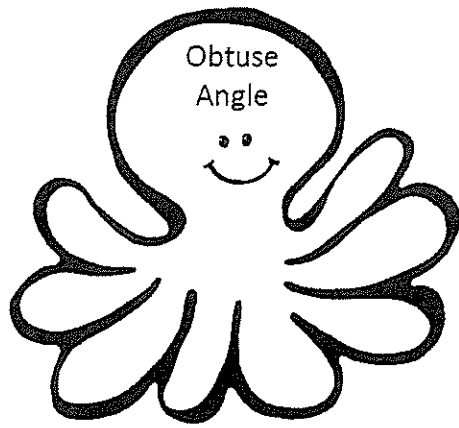
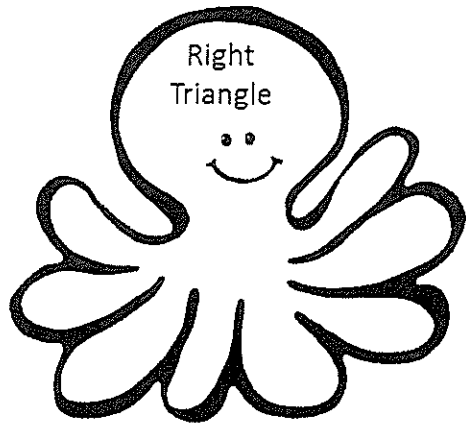
4. Tammy buys a 4-gigabyte memory card for her camera. Dijonea buys a memory card with twice as much storage as Tammy's. One gigabyte is 1,024 megabytes. How many megabytes of storage does Dijonea have on her memory card?

Name _____

Geometry Color by Definition: Octopus

Read the following definitions. Draw an example of the geometry term in each box. Then, look for the geometry term in the picture, and color that part of the picture the color listed by the definition.

<p>1 An angle less than 90 degrees</p> <p><i>Black</i></p>	<p>2 An angle equal to 90 degrees</p> <p><i>Blue</i></p>	<p>3 An angle greater than 90 degrees</p> <p><i>Red</i></p>
<p>4 Lines that intersect at a 90 degree angle</p> <p><i>Green</i></p>	<p>5 Lines that are the same distance apart and never intersect</p> <p><i>Red</i></p>	<p>6 A triangle with a 90 degree angle</p> <p><i>Purple</i></p>
<p>7 A triangle with an angle greater than 90 degrees</p> <p><i>Orange</i></p>	<p>8 A triangle in which all three angles are less than 90 degrees</p> <p><i>Yellow</i></p>	<p>9 A quadrilateral with 4 equal sides and 4 right angles</p> <p><i>Blue</i></p>
<p>10 A quadrilateral with 2 sets of parallel sides</p> <p><i>Purple</i></p>	<p>11 A quadrilateral with 4 right angles and opposite sides congruent</p> <p><i>Brown</i></p>	<p>12 A quadrilateral with one set of parallel sides</p> <p><i>Yellow</i></p>



Week of August 2-6



DEMOCRACY PREP
HARLEM ELEMENTARY

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Daily Reading Log

Directions: Choose 1 novel from the DPHE website to read this summer. *When you finish that novel, you can choose any book from home, the library, or Epic books (create an account).* Read every day for at least 20 minutes. Complete a daily reading log each day after reading.

Day	Title	Author	Page Numbers	Minutes Read	Parent Signature
Monday					
Tuesday					
Wednesday					
Thursday					
Friday					

Number Correct: _____

A

Mental Multiplication

1.	$1 \times 4 =$	
2.	$10 \times 4 =$	
3.	$11 \times 4 =$	
4.	$1 \times 2 =$	
5.	$20 \times 2 =$	
6.	$21 \times 2 =$	
7.	$2 \times 3 =$	
8.	$30 \times 3 =$	
9.	$32 \times 3 =$	
10.	$3 \times 5 =$	
11.	$20 \times 5 =$	
12.	$23 \times 5 =$	
13.	$3 \times 3 =$	
14.	$40 \times 3 =$	
15.	$43 \times 3 =$	
16.	$4 \times 2 =$	
17.	$70 \times 2 =$	
18.	$74 \times 2 =$	
19.	$2 \times 3 =$	
20.	$60 \times 3 =$	
21.	$62 \times 3 =$	
22.	$63 \times 3 =$	

23.	$21 \times 3 =$	
24.	$121 \times 3 =$	
25.	$42 \times 2 =$	
26.	$142 \times 2 =$	
27.	$242 \times 2 =$	
28.	$342 \times 2 =$	
29.	$442 \times 2 =$	
30.	$3 \times 3 =$	
31.	$13 \times 3 =$	
32.	$213 \times 3 =$	
33.	$1,213 \times 3 =$	
34.	$2,113 \times 3 =$	
35.	$2,131 \times 3 =$	
36.	$2,311 \times 3 =$	
37.	$24 \times 4 =$	
38.	$35 \times 5 =$	
39.	$54 \times 3 =$	
40.	$63 \times 6 =$	
41.	$125 \times 4 =$	
42.	$214 \times 3 =$	
43.	$5,213 \times 2 =$	
44.	$2,135 \times 4 =$	

4. A trainer gives his horse, Caballo, 7 gallons of water every day from a 57-gallon container. How many days will Caballo receive his full portion of water from the container? On which number day will the trainer need to refill the container of water?
5. Meliza has 43 toy soldiers. She lines them up in rows of 5 to fight imaginary zombies. How many of these rows can she make? After making as many rows of 5 as she can, she puts the remaining soldiers in the last row. How many soldiers are in that row?
6. Seventy-eight students are separated into groups of 8 for a field trip. How many groups are there? The remaining students form a smaller group of how many students?

Name _____

Date _____

Solve using the standard algorithm. Check your quotient and remainder by using multiplication and addition.

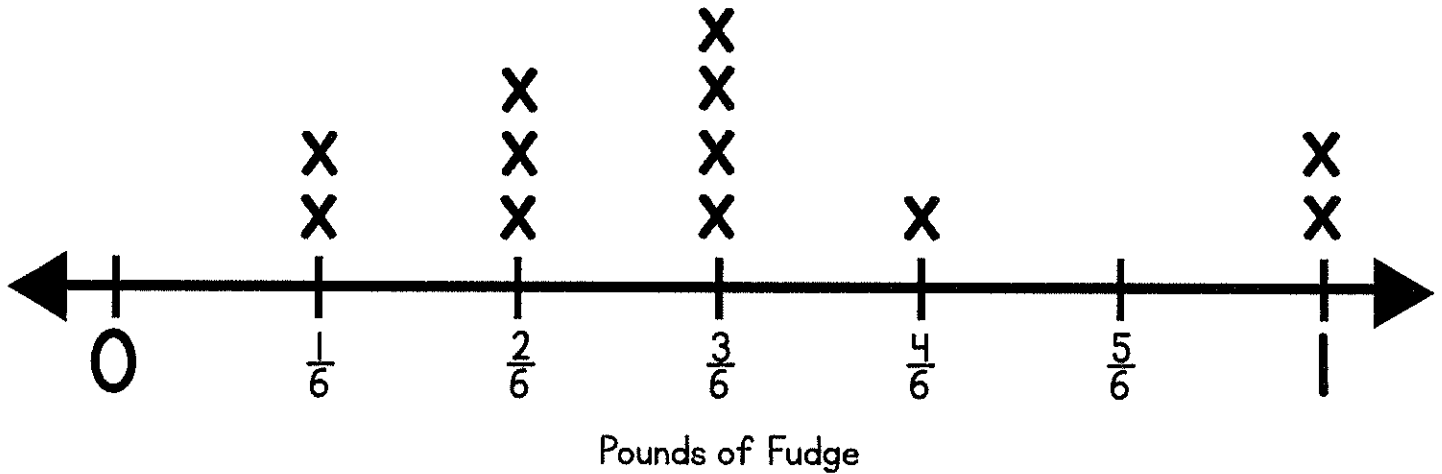
1. $84 \div 2$	2. $84 \div 4$
3. $48 \div 3$	4. $80 \div 5$
5. $79 \div 5$	6. $91 \div 4$

Name _____

Line Plot Color by Number: Whales

Use the line plot to answer the questions below. Show your work. Then, look for the problem answer in the picture, and color that part of the picture the color listed by the problem.

Weight of Fudge Sold



X = one container of fudge

1 How many containers sold were at least $\frac{1}{2}$ pound?

Orange

2 What is the total amount of pounds of fudge sold in $\frac{1}{3}$ pound bags?

Purple

3 How many containers sold weighed less than $\frac{2}{3}$ of a pound?

Yellow

4 What is the difference, in pounds, between the heaviest container sold and the container bag sold?

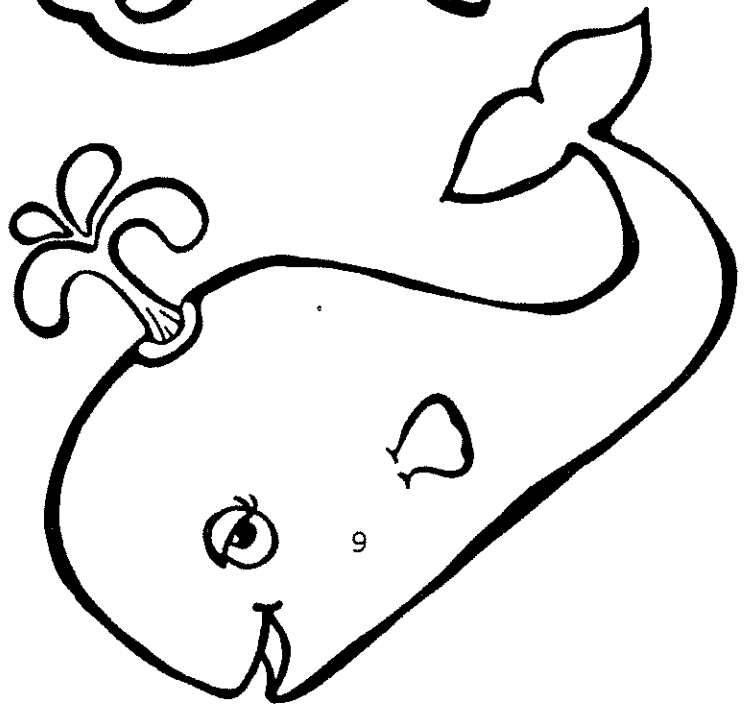
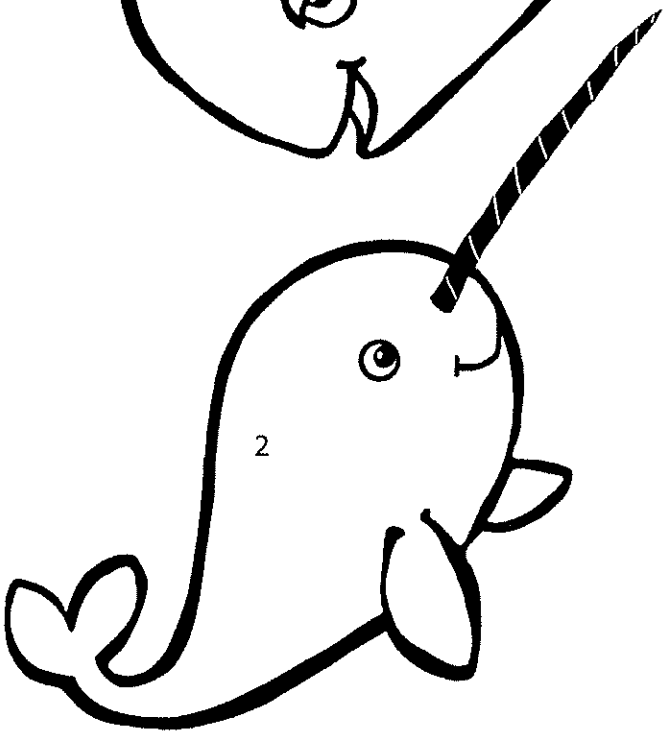
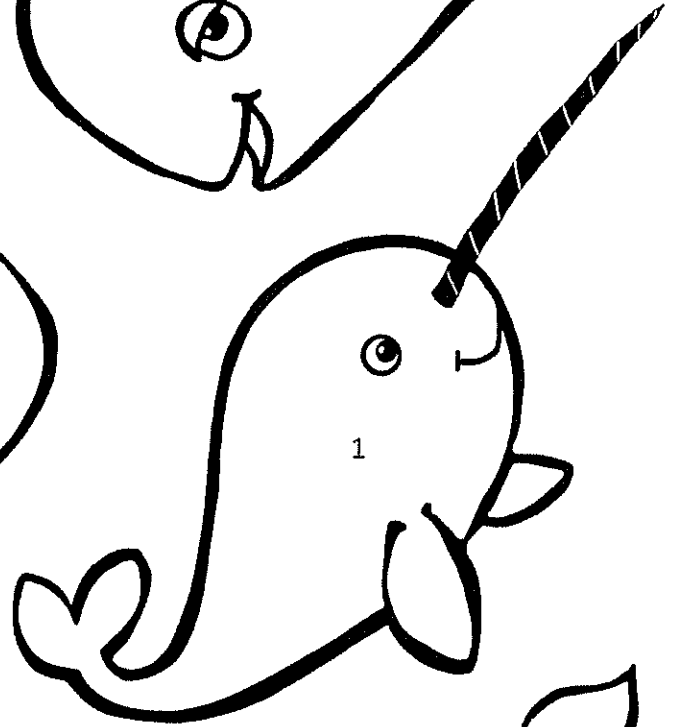
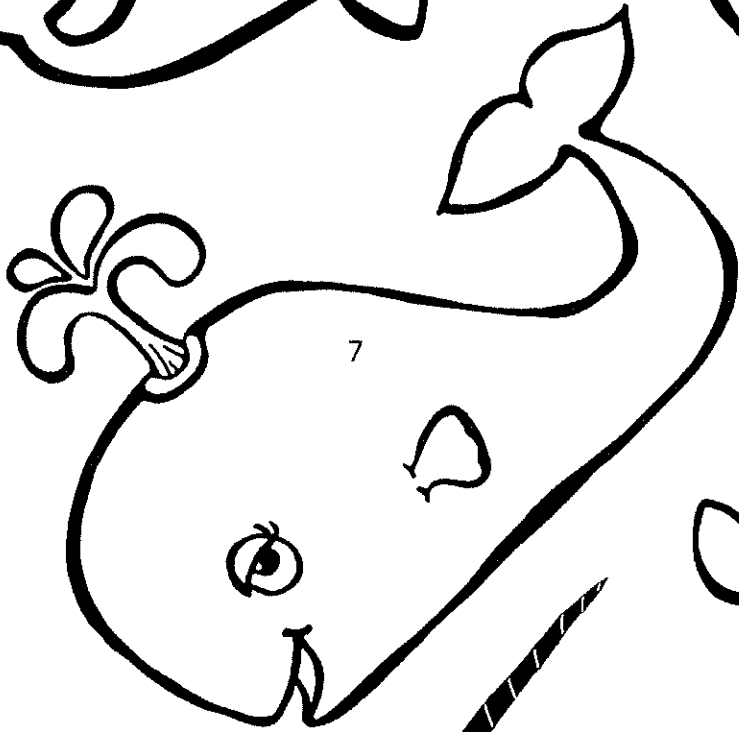
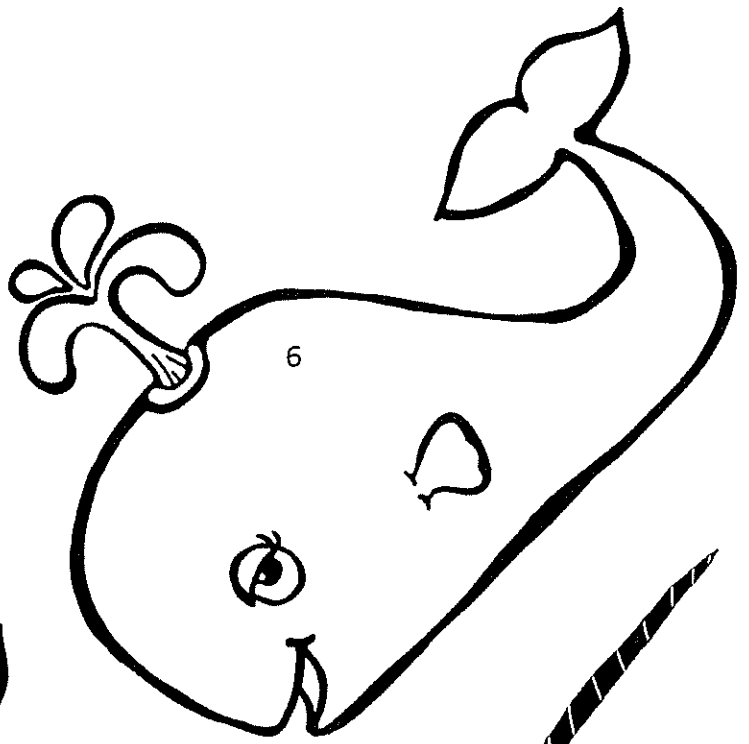
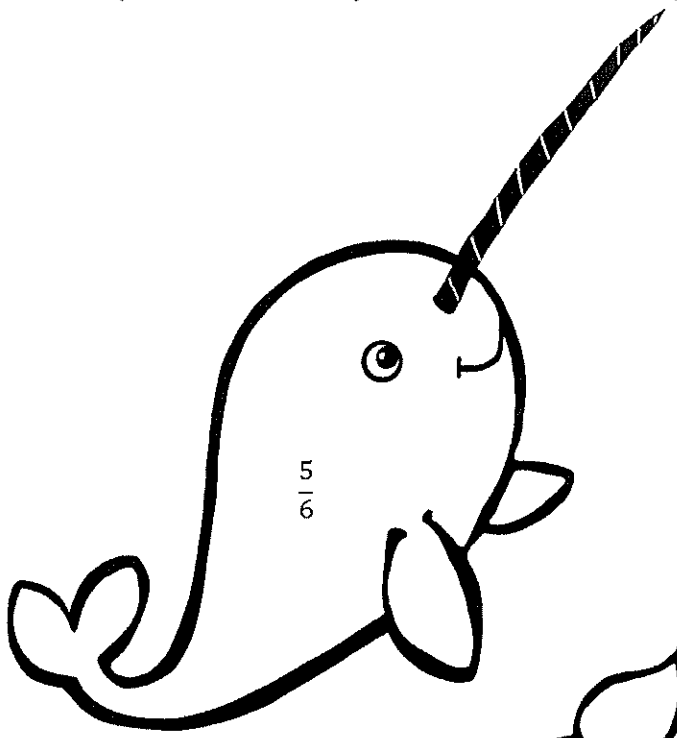
Blue

5 How many total pounds of fudge were sold?

Red

6 What is the total amount of pounds of fudge sold in $\frac{1}{2}$ pound bags?

Green



Week of August 9-13



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Daily Reading Log

Directions: Choose 1 novel from the DPHE website to read this summer. *When you finish that novel, you can choose any book from home, the library, or Epic books (create an account).* Read every day for at least 20 minutes. Complete a daily reading log each day after reading.

Day	Title	Author	Page Numbers	Minutes Read	Parent Signature
Monday					
Tuesday					
Wednesday					
Thursday					
Friday					

Number Correct: _____

A

Mental Division

1.	$20 \div 2 =$	
2.	$4 \div 2 =$	
3.	$24 \div 2 =$	
4.	$30 \div 3 =$	
5.	$6 \div 3 =$	
6.	$36 \div 3 =$	
7.	$40 \div 4 =$	
8.	$8 \div 4 =$	
9.	$48 \div 4 =$	
10.	$2 \div 2 =$	
11.	$40 \div 2 =$	
12.	$42 \div 2 =$	
13.	$3 \div 3 =$	
14.	$60 \div 3 =$	
15.	$63 \div 3 =$	
16.	$4 \div 4 =$	
17.	$80 \div 4 =$	
18.	$84 \div 4 =$	
19.	$40 \div 5 =$	
20.	$50 \div 5 =$	
21.	$60 \div 5 =$	
22.	$70 \div 5 =$	

23.	$68 \div 2 =$	
24.	$96 \div 3 =$	
25.	$86 \div 2 =$	
26.	$93 \div 3 =$	
27.	$88 \div 4 =$	
28.	$99 \div 3 =$	
29.	$66 \div 3 =$	
30.	$66 \div 2 =$	
31.	$40 \div 4 =$	
32.	$80 \div 4 =$	
33.	$60 \div 4 =$	
34.	$68 \div 4 =$	
35.	$20 \div 2 =$	
36.	$40 \div 2 =$	
37.	$30 \div 2 =$	
38.	$36 \div 2 =$	
39.	$30 \div 3 =$	
40.	$39 \div 3 =$	
41.	$45 \div 3 =$	
42.	$60 \div 3 =$	
43.	$57 \div 3 =$	
44.	$51 \div 3 =$	

Name _____

Date _____

1. Divide. Use place value disks to model each problem.

a. $346 \div 2$

b. $528 \div 2$

c. $516 \div 3$

d. $729 \div 3$

Draw an area model to represent the following expressions. Record the partial products vertically and solve.

3. 25×32

4. 35×42

Visualize the area model and solve the following numerically using four partial products. (You may sketch an area model if it helps.)

5. 42×11

6. 46×11

8. 63×63

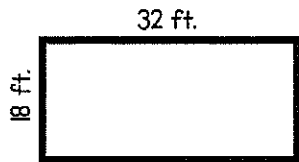
9. 68×79

Name _____

Area Color by Number: Fish

Solve each problem. Show your work. Then, look for the problem answer in the picture, and color that part of the picture the color listed by the problem.

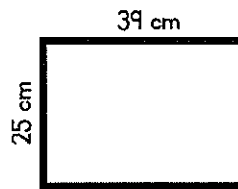
1 Find the area:



A = _____ sq. ft.

Orange

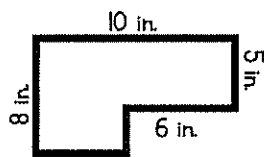
2 Find the area:



A = _____ sq. cm

Purple

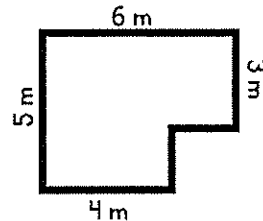
3 Find the area:



A = _____ sq. in.

Yellow

4 Find the area:



A = _____ sq. meters

Yellow

5 A rectangle has a width of 7 meters and an area of 42 square meters. What is the length of the rectangle?

l = _____ m

Purple

6 A rectangular garden has a width of 9 yards and an area of 36 square yards. What is the length of the garden?

l = _____ in.

Orange

7 A square tile has an area of 25 square centimeters. What is the side length of the tile?

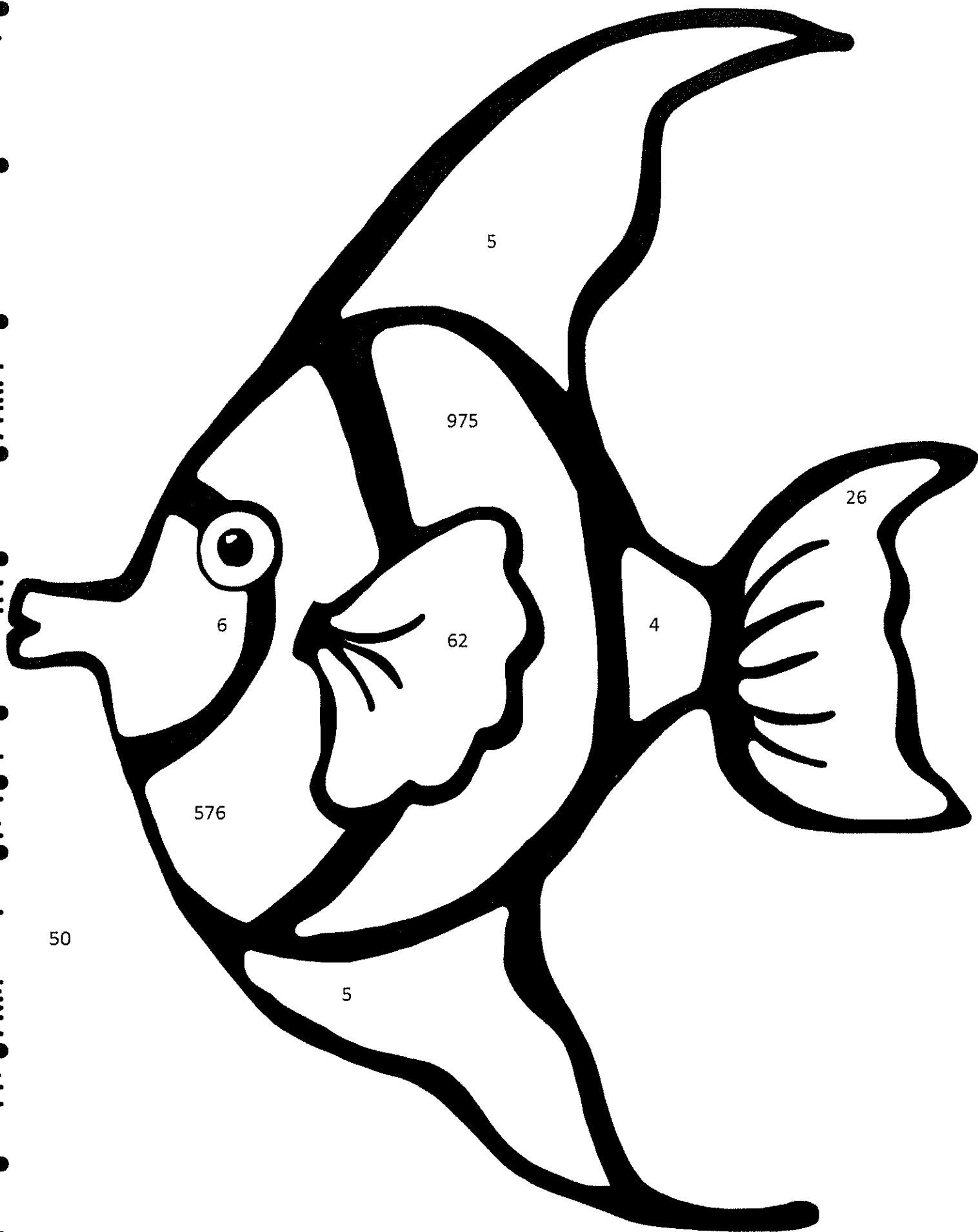
l = _____ cm

Yellow

8 A rectangle has a length of 10 feet and a width that is half the length. What is the area of the rectangle?

A = _____ sq. ft.

Green



50

Week of August 16-20



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Daily Reading Log

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Day	Title	Author	Page Numbers	Minutes Read	Parent Signature
Monday					
Tuesday					
Wednesday					
Thursday					
Friday					

A

Number Correct: _____

Change Fractions to Mixed Numbers

1.	$3 + 1 =$	
2.	$\frac{3}{3} + \frac{1}{3} = \frac{\quad}{3}$	
3.	$1 + \frac{1}{3} = \frac{\quad}{3}$	
4.	$1\frac{1}{3} = \frac{\quad}{3}$	
5.	$5 + 1 =$	
6.	$\frac{5}{5} + \frac{1}{5} = \frac{\quad}{5}$	
7.	$1 + \frac{1}{5} = \frac{\quad}{5}$	
8.	$1\frac{1}{5} = \frac{\quad}{5}$	
9.	$2 + 1 =$	
10.	$\frac{2}{2} + \frac{1}{2} = \frac{\quad}{2}$	
11.	$1 + \frac{1}{2} = \frac{\quad}{2}$	
12.	$1\frac{1}{2} = \frac{\quad}{2}$	
13.	$\frac{4}{4} + \frac{1}{4} = \frac{\quad}{4}$	
14.	$1 + \frac{1}{4} = \frac{\quad}{4}$	
15.	$1\frac{1}{4} = \frac{\quad}{4}$	
16.	$1\frac{3}{4} = \frac{\quad}{4}$	
17.	$\frac{5}{5} + \frac{1}{5} = \frac{\quad}{5}$	
18.	$1 + \frac{1}{5} = \frac{\quad}{5}$	
19.	$1\frac{1}{5} = \frac{\quad}{5}$	
20.	$1\frac{3}{5} = \frac{\quad}{5}$	
21.	$\frac{8}{8} + \frac{3}{8} = \frac{\quad}{8}$	
22.	$1 + \frac{3}{8} = \frac{\quad}{8}$	

23.	$1\frac{3}{8} = \frac{\quad}{8}$	
24.	$2 + \frac{1}{3} = 2\frac{\quad}{3}$	
25.	$\frac{6}{3} + \frac{1}{3} = \frac{\quad}{3}$	
26.	$2 + \frac{1}{3} = \frac{\quad}{3}$	
27.	$2\frac{1}{3} = \frac{\quad}{3}$	
28.	$2 + \frac{1}{5} = 2\frac{\quad}{5}$	
29.	$\frac{10}{5} + \frac{1}{5} = \frac{\quad}{5}$	
30.	$2 + \frac{1}{5} = \frac{\quad}{5}$	
31.	$2\frac{1}{5} = \frac{\quad}{5}$	
32.	$\frac{8}{4} + \frac{3}{4} = \frac{\quad}{4}$	
33.	$2 + \frac{3}{4} = \frac{\quad}{4}$	
34.	$2\frac{3}{4} = \frac{\quad}{4}$	
35.	$\frac{12}{3} + \frac{2}{3} = \frac{\quad}{3}$	
36.	$4 + \frac{2}{3} = \frac{\quad}{3}$	
37.	$4\frac{2}{3} = \frac{\quad}{3}$	
38.	$3 + \frac{3}{5} = \frac{\quad}{5}$	
39.	$3 + \frac{1}{2} = \frac{\quad}{2}$	
40.	$4 + \frac{3}{4} = \frac{\quad}{4}$	
41.	$2 + \frac{1}{6} = \frac{\quad}{6}$	
42.	$2 + \frac{5}{8} = \frac{\quad}{8}$	
43.	$2\frac{4}{5} = \frac{\quad}{5}$	
44.	$3\frac{7}{8} = \frac{\quad}{8}$	

Name _____

Date _____

1. Divide, and then check using multiplication.

a. $2,464 \div 4$

b. $1,848 \div 3$

c. $9,426 \div 3$

d. $6,587 \div 2$

e. $5,445 \div 3$

f. $5,425 \div 2$

Name _____

Date _____

1. Fill in the unknown factors.

a. $8 \times 4\frac{4}{7} = (\underline{\quad} \times 4) + (\underline{\quad} \times \frac{4}{7})$

b. $9 \times 7\frac{7}{10} = (9 \times \underline{\quad}) + (9 \times \underline{\quad})$

2. Multiply. Use the distributive property.

a. $6 \times 8\frac{2}{7}$

b. $7\frac{3}{4} \times 9$

c. $9 \times 8\frac{7}{9}$

d. $25\frac{7}{8} \times 3$

e. $4 \times 20\frac{8}{12}$

f. $30\frac{3}{100} \times 12$

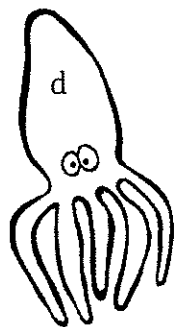
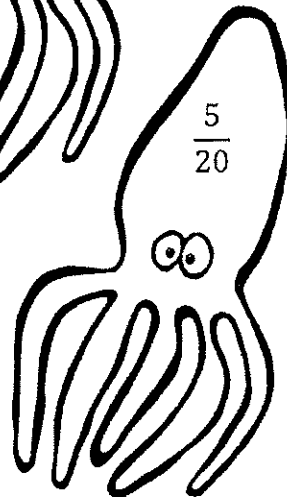
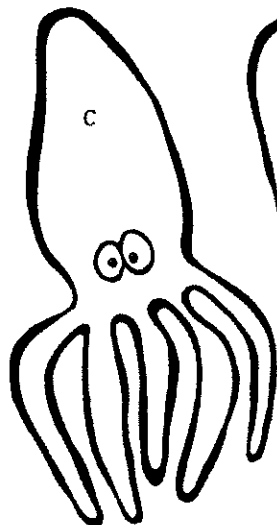
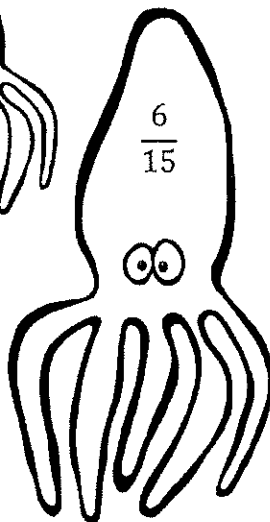
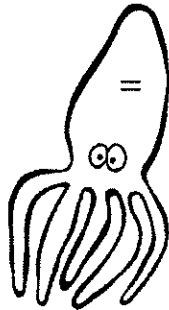
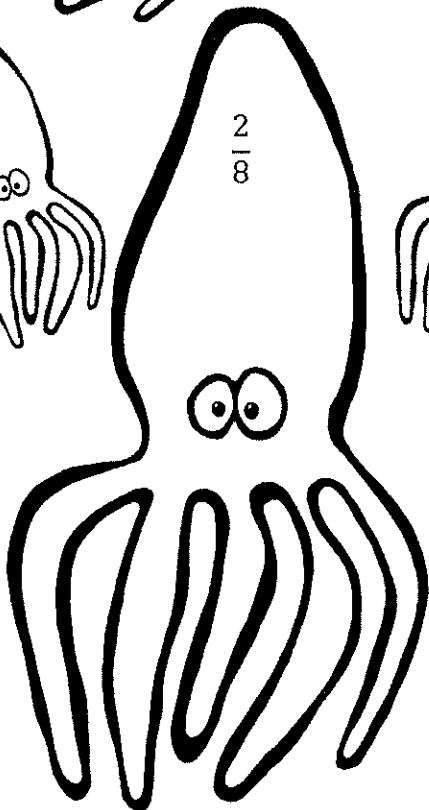
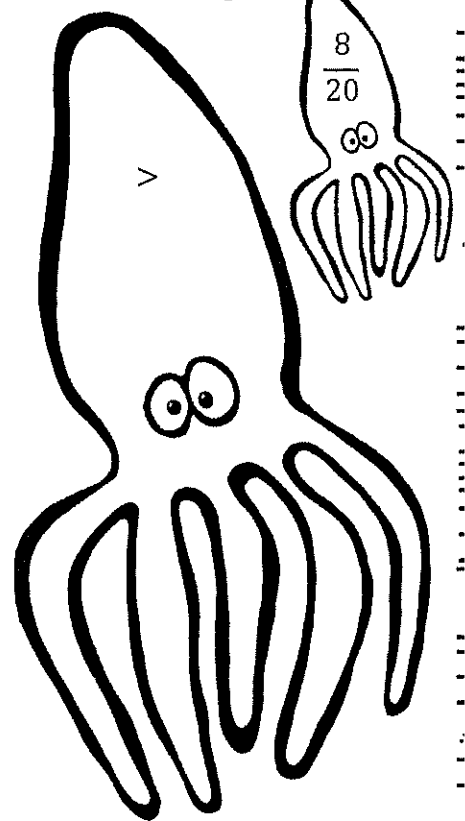
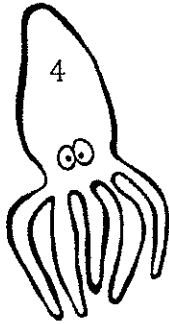
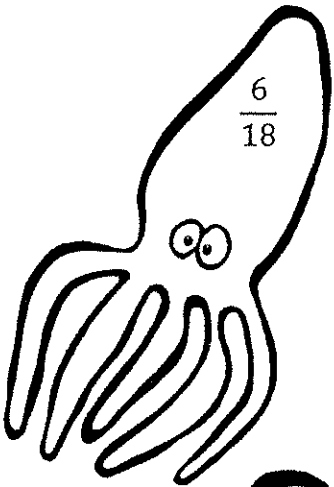
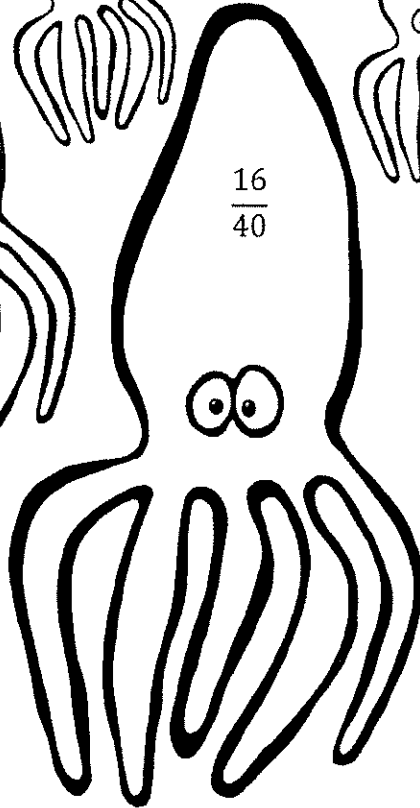
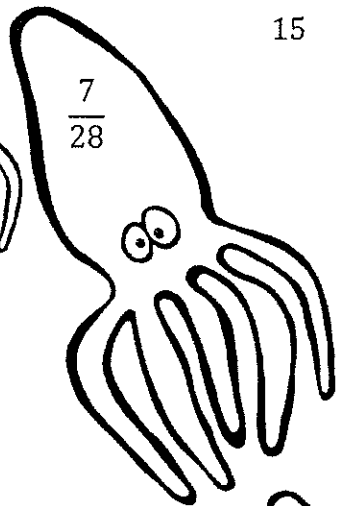
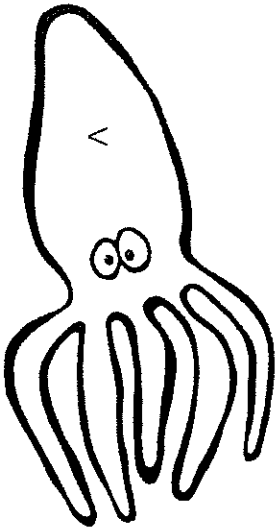
3. Brandon is cutting 9 boards for a woodworking project. Each board is $4\frac{5}{8}$ feet long. What is the total length of the boards?
4. Rocky the collie ate $3\frac{1}{4}$ cups of dog food each day for two weeks. How much dog food did Rocky eat in that time?
5. At the class party, each student will be given a container filled with $8\frac{5}{8}$ ounces of juice. There are 25 students in the class. How many ounces of juice does the teacher need to buy?

Name _____

Fractions Color by Number: Squid

Solve each problem. Show your work. Then, look for the problem answer in the picture, and color that part of the picture the color listed by the problem.

<p>1 List fractions equivalent to $\frac{1}{4}$ from picture:</p> <p style="text-align: right;"><i>Green</i></p>	<p>2 List fractions equivalent to $\frac{2}{5}$ from picture:</p> <p style="text-align: right;"><i>Yellow</i></p>	<p>3 Color all fractions equivalent to $\frac{1}{3}$ from picture:</p> <p style="text-align: right;"><i>Orange</i></p>
<p>4 $\frac{14}{21} = \frac{\square}{3}$</p> <p style="text-align: right;"><i>Yellow</i></p>	<p>5 $\frac{5}{15} = \frac{\square}{45}$</p> <p style="text-align: right;"><i>Purple</i></p>	<p>6 $\frac{9}{12} = \frac{3}{\square}$</p> <p style="text-align: right;"><i>Blue</i></p>
<p>7 Which fraction is less than $\frac{1}{2}$?</p> <p>a. $\frac{2}{4}$ b. $\frac{1}{3}$</p> <p>c. $\frac{2}{3}$ d. $\frac{6}{12}$</p> <p style="text-align: right;"><i>Blue</i></p>	<p>8 Which fraction is more than $\frac{1}{2}$?</p> <p>a. $\frac{4}{8}$ b. $\frac{2}{6}$</p> <p>c. $\frac{4}{9}$ d. $\frac{6}{11}$</p> <p style="text-align: right;"><i>Yellow</i></p>	<p>9 Which fraction is equal to $\frac{1}{2}$?</p> <p>a. $\frac{4}{7}$ b. $\frac{8}{12}$</p> <p>c. $\frac{3}{6}$ d. $\frac{6}{14}$</p> <p style="text-align: right;"><i>Orange</i></p>
<p>10 Compare the fractions below using $<$, $>$, or $=$:</p> <p>$\frac{11}{12}$ \bigcirc $\frac{5}{6}$</p> <p style="text-align: right;"><i>Blue</i></p>	<p>11 Compare the fractions below using $<$, $>$, or $=$:</p> <p>$\frac{8}{12}$ \bigcirc $\frac{4}{6}$</p> <p style="text-align: right;"><i>Yellow</i></p>	<p>12 Compare the fractions below using $<$, $>$, or $=$:</p> <p>$\frac{2}{3}$ \bigcirc $\frac{7}{9}$</p> <p style="text-align: right;"><i>Green</i></p>



Week of August 23-27



DEMOCRACY PREP
HARLEM ELEMENTARY

Work Hard. Go to College. Change the World!

Daily Reading Log

Directions: Choose 1 novel from the DPHE website to read this summer. *When you finish that novel, you can choose any book from home, the library, or Epic books (create an account).* Read every day for at least 20 minutes. Complete a daily reading log each day after reading.

Day	Title	Author	Page Numbers	Minutes Read	Parent Signature
Monday					
Tuesday					
Wednesday					
Thursday					
Friday					

A

Number Correct: _____

Find the Midpoint

1.	0	10	
2.	0	100	
3.	0	1000	
4.	10	20	
5.	100	200	
6.	1000	2000	
7.	30	40	
8.	300	400	
9.	400	500	
10.	20	30	
11.	30	40	
12.	40	50	
13.	50	60	
14.	500	600	
15.	5000	6000	
16.	200	300	
17.	300	400	
18.	700	800	
19.	5700	5800	
20.	70	80	
21.	670	680	
22.	6700	6800	

23.	6000	7000	
24.	600	700	
25.	60	70	
26.	260	270	
27.	9260	9270	
28.	80	90	
29.	90	100	
30.	990	1000	
31.	9990	10,000	
32.	440	450	
33.	8300	8400	
34.	680	690	
35.	9400	9500	
36.	3900	4000	
37.	2450	2460	
38.	7080	7090	
39.	3200	3210	
40.	8630	8640	
41.	8190	8200	
42.	2510	2520	
43.	4890	4900	
44.	6660	6670	

Name _____

Date _____

Use the RDW process to solve.

1. Ground turkey is sold in packages of $2\frac{1}{2}$ pounds. Dawn bought eight times as much turkey that is sold in 1 package for her son's birthday party. How many pounds of ground turkey did Dawn buy?

2. Trevor's stack of books is $7\frac{7}{8}$ inches tall. Rick's stack is 3 times as tall. What is the difference in the heights of their stacks of books?

3. It takes $8\frac{3}{4}$ yards of fabric to make one quilt. Gail needs three times as much fabric to make three quilts. She already has two yards of fabric. How many more yards of fabric does Gail need to buy in order to make three quilts?

4. Carol made punch. She used $12\frac{3}{8}$ cups of juice and then added three times as much ginger ale. Then, she added 1 cup of lemonade. How many cups of punch did her recipe make?
5. Brandon drove $72\frac{7}{10}$ miles on Monday. He drove 3 times as far on Tuesday. How far did he drive in the two days?
6. Mrs. Reiser used $9\frac{8}{10}$ gallons of gas this week. Mr. Reiser used five times as much gas as Mrs. Reiser used this week. If Mr. Reiser pays \$3 for each gallon of gas, how much did Mr. Reiser pay for gas this week?

Name _____

Date _____

Divide. Check your solutions by multiplying.

1. $409 \div 5$

2. $503 \div 2$

3. $831 \div 4$

4. $602 \div 3$

5. $720 \div 3$

6. $6,250 \div 5$

7. $2,060 \div 5$

8. $9,031 \div 2$

Name _____

Multiplication Color by Number: Dolphins

Solve each problem. Show your work. Then, look for the problem answer in the picture, and color that part of the picture the color listed by the problem.

<p>①</p> $\begin{array}{r} 2,093 \\ \times \quad 3 \\ \hline \end{array}$ <p>Green</p>	<p>②</p> $\begin{array}{r} 83 \\ \times 26 \\ \hline \end{array}$ <p>Purple</p>	<p>③</p> $\begin{array}{r} 56 \\ \times 49 \\ \hline \end{array}$ <p>Green</p>
<p>④</p> $\begin{array}{r} 99 \\ \times 20 \\ \hline \end{array}$ <p>Green</p>	<p>⑤</p> $\begin{array}{r} 77 \\ \times 34 \\ \hline \end{array}$ <p>Yellow</p>	<p>⑥</p> $\begin{array}{r} 1,528 \\ \times \quad 4 \\ \hline \end{array}$ <p>Blue</p>
<p>⑦</p> $\begin{array}{r} 91 \\ \times 18 \\ \hline \end{array}$ <p>Blue</p>	<p>⑧</p> $\begin{array}{r} 3,147 \\ \times \quad 2 \\ \hline \end{array}$ <p>Purple</p>	<p>⑨</p> $\begin{array}{r} 67 \\ \times 27 \\ \hline \end{array}$ <p>Purple</p>

