Name _____ Date _____

1. A ream of paper contains 500 sheets. If each student needs 20 sheets of paper to make a recording book, how many books can be made from a ream of paper?

   _____

2. There are 240 students in the sixth grade at W.W. Lewis Middle School. The sixth grade teachers have 2880 disks. If each of the students gets the same number of disks, how many disks will each student receive?

   _____

3. Mrs. Marcantel cut down an apple tree in her backyard and had a give-away celebration to get rid of 336 apples. She offered 24 apples to each person who asked. How many people could get free apples?

   _____

4. Mrs. Karam's math class sold 1620 cookies at the school's annual bake sale. The cookies were packaged to sell in boxes of three dozen cookies. How many boxes of cookies did they sell? Explain your thinking.

   _____

5. A factory has 5640 cassettes that will be packed into 47 cartons. How many cassettes will be placed in each carton?

   _____

6. Betty has 36 math books. The total number of pages in all of the math books is 4500 pages. How many pages are in each book? Explain your thinking.

   _____

Unit 2, Activity 1, Dividing with Answers

Name _____ Date _____

1. A ream of paper contains 500 sheets. If each student needs 20 sheets of paper to make a recording book, how many books can be made from a ream of paper?

   1 book = 20 sheets
   10 books = 200 sheets
   20 books = 400 sheets
   5 books = 100 sheets
   For 500 sheets, add 20 books + 5 books or 25 books.
   25 books can be made.

2. There are 240 students in the sixth grade at W.W. Lewis Middle School. The sixth grade teachers have 2880 disks. If each of the students gets the same number of disks, how many disks will each student receive?

   1 disk per student = 240 disks
   10 disks per student = 2400 disks
   2 disks per student = 480 disks
   For 2880 disks, add 10 disks per student + 2 disks per student
   Each student gets 12 computer disks.

3. Mrs. Marcantel cut down an apple tree in her backyard and had a give-away celebration to get rid of 336 apples. She offered 24 apples to each person who asked. How many people could get free apples if each person got 24 apples?

   1 person = 24 apples
   10 people = 240 apples
   4 people = 96 apples
   For 336 apples, add 10 people + 4 people.
   14 people got free apples.

4. Mrs. Karam's math class sold 1620 cookies at the school's annual bake sale. The cookies were packaged to sell in boxes of three dozen cookies. How many boxes of cookies did they sell? Explain your thinking.

   1 box = 36 cookies
   10 boxes = 360 cookies
   20 boxes = 720 cookies
   30 boxes = 1080 cookies
   40 boxes = 1440 cookies
   5 boxes = 180 cookies
   For 1620 cookies, add 40 boxes + 5 boxes.
   45 boxes of cookies were sold.

5. A factory has 5640 cassettes that will be packed into 47 cartons. How many cassettes will be placed in each carton if each carton contains the same amount?

   100 cassettes per carton = 4700 cassettes
   20 cassettes per carton = 940 cassettes
   For 5640 cassettes, add 100 cassettes per carton + 20 cassettes per carton.
   There are 120 cassettes in each carton.

6. Betty has 36 math books that each have the same number of pages. The total number of pages in all of the math books is 4500 pages. How many pages are in each book? Explain your thinking.

   100 pages per book = 3600 pages
   20 pages per book = 720 pages
   5 pages per book = 180
   For 4500 pages, add 100 pages per book, 20 pages per book, + 5 pages per book.
   There are 125 pages in each book.

The Remainder Game

1 2 3 4 5 6 7 8 9 10

10 11 12 13 14 15 16 17 18 19 20

STARTING #	**Division sentence/problem Example 12 ÷ 5 = 2 R 2**	**Player's Name/score**
100		
PLAYER 1 Total Score:	**PLAYER 2 Total Score :**	

Name _____ Date _____

Show all your work for each situation below. Express the remainder if any, in a variety of ways.

1. Kevin made 2314 birthday cards for the nursing home. If he puts 24 cards in each box, how many boxes of birthday cards does he have and how many will he have left over?

2. The animal shelter placed their stray dogs in a large pen with 12 dogs in each pen. There are 1218 stray dogs at the animal shelter. How many pens does the animal shelter need to house their stray dogs?

3. Mrs. Landry gave 72 of her math students crayons to complete their math project. She has 1024 crayons. If each student gets the same number of crayons, how many crayons will each student get?

4. The Church Bazaar sold 255 pies; each pie was cut in eight pieces. If 816 people each ate the same amount of pie, how many pieces of pie did each person get?

5. Mr. Guillory's electric bill showed that he used 2625 kilowatts for the month of August. How many kilowatts did he use each day if he uses approximately the same amount each day?

Unit 2, Activity 4, Remainders with Answers

Name _____ Date _____

Show all your work for each situation below. Express the remainder if any, in a variety of ways.

1. Kevin made 2314 birthday cards for the nursing home. If he puts 24 cards in each box, how many boxes of birthday cards does he have and how many will he have left over?

   96 boxes of cards and 10 cards left over

2. The animal shelter placed their stray dogs in a large pen with 12 dogs in each pen. There are 1218 stray dogs at the animal shelter. How many pens does the animal shelter need to house their stray dogs?

   102 pens (the last pen will have 6 dogs)

3. Mrs. Landry gave 72 of her math students crayons to complete their math project. She has 1024 crayons. If each student gets the same number of crayons, how many crayons will each student get?

   Each student will get 14 crayons and the teacher will have 16 left over.

4. The Church Bazaar sold 255 pies; each pie was cut in eight pieces. If 816 people each ate the same amount of pie, how many pieces of pie did each person get?

   Each person ate 2 ½ pieces of pie or each person ate 2 pieces with 408 slices left over.

5. Mr. Guillory's electric bill showed that he used 2625 kilowatts for the month of August. How many kilowatts did he use each day if he uses approximately the same amount each day?

   84.68 kilowatts per day

Name _____ Date _____

1. The sixth graders at your school are going on a field trip. There are 238 teachers, chaperones and students going on the trip. Everyone will be traveling by school bus. If each bus (excluding the bus driver) can seat a maximum of 45 people, how many buses will you need to transport everyone? Explain your answer.

2. Mrs. Morris is preparing for an open house for all the 6^{th} grade students in the school. The RSVP slips from parents have been counted, and 492 people will be coming. How many rows of chairs should be set up for the open house if there are 52 chairs per row? Explain your answer.

3. The carnival has 1539 prizes that are distributed in bags with 16 prizes in each bag. How many prize bags can be made? Explain your thinking.

4. The Red Ribbon Company makes one thousand twenty-nine red ribbons each day. If they work 12 hours a day, how many ribbons do they make in an hour?

5. One thousand ninety-seven scouts are going on a camping trip. Each tent will sleep no more than 24 scouts. How many tents will they need?

Name _____ Date _____

1. The sixth graders at your school are going on a field trip. There are 238 teachers, chaperones and students going on the trip. Everyone will be traveling by school bus. If each bus (excluding the bus driver) can seat a maximum of 45 people, how many buses will you need to transport everyone? Explain your answer.

   238 people ÷ 45 people = 5 groups of 45 people with 13 people left. You will need at least 6 buses to seat 238 people.

2, Mrs. Morris is preparing for an open house for all the 6^{th} grade students in the school. The RSVP slips from parents have been counted, and 492 people will be coming. How many rows of chairs should be set up for the open house if there are 52 chairs per row? Explain your answer.

   492 people ÷ 52 people = 9 rows of 52 people with 24 people left. You will need a minimum of 10 rows to seat everyone.

3. The carnival has 1539 prizes that are distributed in bags with the 16 prizes in each bag. How many prize bags can be made? Explain your thinking.

   1539 prizes ÷ 16 prizes = 96 groups of 16 prizes with 3 prizes left over. You will only be able to make 96 prize bags.

4. The Red Ribbon Company makes one thousand twenty-nine red ribbons each day. If they work 12 hours a day, how many ribbons do they make in an hour?

   1029 ribbons ÷ 12 hours = 85 remainder 9 ribbons per hour.

5. One thousand ninety-seven scouts are going on a camping trip. Each tent will sleep no more than 24 scouts. How many tents will they need?

   1097 scouts ÷ 24 scouts = 45 groups of 24 scouts with 17 scouts left over. You will need at least 46 tents.

I have 27. Who has 96 ÷ 24?	I have 4. Who has 204 ÷ 12?
I have 17. Who has 340 ÷ 68?	I have 5. Who has 448 ÷ 28?
I have 16. Who has 28 divided by 4?	I have I have 7. Who has 1250 ÷ 25?
I have 50. Who has 2000 ÷ 10?	I have 200. Who has 460 ÷ 10?

I have 46. Who has 5640 ÷ 23?	I have 245 with remainder of 5. Who has 4050 ÷ 50?
I have 81. Who has 2880 ÷ 24?	I have 120. Who has 1205 ÷ 5?
I have 241. Who has 208 ÷ *8*?	I have 26. Who has 280 ÷ 14?
I have 20. Who has 90 ÷ 6?	I have 15. Who has 120 ÷ 3?

I have 40. Who has 448 ÷ 14?	I have 32. Who has 11880 ÷ 90?
I have 132. Who has 272 ÷ 8?	I have 34. Who has 900 ÷ 12?
I have 75. Who has 504 ÷ 8?	I have 63. Who has 6936 ÷ 6?
I have 1156. Who has 9810 ÷ 90?	I have 109. Who has 8597 ÷ 37?

I have 232 remainder 13. Who has 5244 ÷ 69?	I have 76. Who has 8888 ÷ 22?
I have 404. Who has 6560 ÷ 20?	I have 328. Who has 2520 ÷ 90?
I have 28. Who has 650 ÷ 50?	I have 13. Who has 486 ÷ 18?