

Long Division \div

NAME _____
DATE _____

Explain why it is important to correctly line up numbers according to their place value when doing a division problem.

Word Problems

1. The 6 boys in Ms. Dreyvus' class always ran together during recess. By the end of the year, they had walked a total of 192 miles. If they each ran the same number of miles, how many did each boy run?

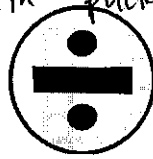
2. The brunch buffet cost the same for each adult. For the family of 8, the total cost was \$272. How much did it cost per person?

3. One Direction traveled from Phoenix, Arizona to Orlando, Florida on a first class airplane. The total cost for the 5 plane tickets was \$2,260. How much was each plane ticket?

4. Write and solve a word problem that requires long division.

Long Division

Page 2



NAME _____

DATE _____

Find and explain the error in the division problem below.
Redo the problem correctly.

$$\begin{array}{r} 21 \\ 4 \overline{)95} \end{array}$$

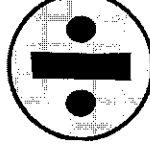
Word Problems Part 2

1. Necklace Maker Nancy uses 32 beads for each necklace she makes. Her latest shipment of beads had 1,799 beads in it. How many necklaces can she make?
2. Ms. Jones buys a package of pumpkin erasers to give her students. There are 988 erasers in the package, and she has 27 students in her class. If she splits them evenly, how many will each student get?
3. From New York, NY to Cancun, Mexico it is 3,396 miles. If the family goes on a road trip and drives the same number of miles each for 12 days, how many miles will they drive each day?
4. Jordan is making gifts for volunteers and orders 4,580 personalized M&Ms. She puts 34 M&Ms in each gift. How many gifts can she make?

Long Division

Page 3

Math Packet # 4



NAME _____

DATE _____

Solve the problem and EXPLAIN what the remainder represents in the problem below.

Clara the Cupcake Maker had 53 cups of sugar. She uses 3 cups of sugar for each batch of cupcakes. How many batches of cupcakes can she make?

Solve

Explain

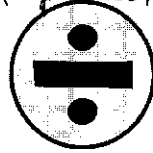
Challenge Word Problems

1. A 747 Airplane is 762 inches tall. How tall is it in feet?
2. The river raft ride at the amusement park can hold 12 riders at a time. There are 527 people in line. How many times will the ride need to run in order to get all 527 people through the ride?
3. One school bus can hold 46 students. There are 29 students in each of the 5 fifth grade classes. How many buses will they need in order to transport everyone to the zoo for a field trip?
4. Write and solve a word problem that requires long division AND has a remainder.

Long Division

Math Packet #4

Page 7



NAME _____

DATE _____

1-digit Divisors

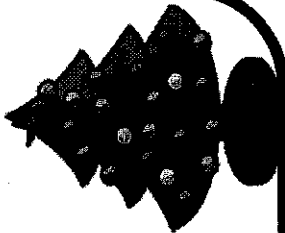
Problem	Solve	Check
One hundred thirty two divided by four		
$1,255 \div 5$		
Seven hundred fifty seven divided by six		

2-digit Divisors

Problem	Solve	Check
Six hundred seventy two divided by thirty seven		
$5,147 \div 22$		
One hundred seventy three divided by fourteen		

Solve It!

Jason made 42 Christmas cookies. He gave half of them to his teacher. He ate one third of the cookies that were left. Then he gave 8 cookies to his little sister. He left the rest of the cookies out for Santa. How many cookies did Santa get?



1

Solve It!

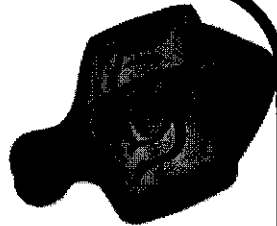
Lila is making baskets of fruit to decorate for Kwanzaa. She has 22 apples, 19 bananas, and 7 oranges. If she puts an equal number of fruit into each of 3 baskets, how many pieces of fruit will be in each basket?



2

Solve It!

Sarah wants to make latkes for the Hanukkah party. The recipe says she will need 6 potatoes to make 16 latkes. Sarah wants to make 40 latkes. How many potatoes will she need?



3

Solve It!

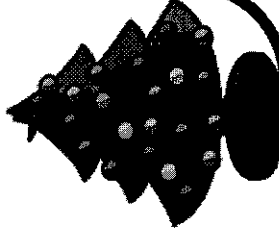
Small boxes of candy canes contain 12 candy canes. Large boxes contain 35 candy canes. Mr. Olson bought twice as many small boxes as large boxes. He bought 6 large boxes. How many candy canes did Mr. Olson buy altogether?



4

Solve It!

5
Carlos got to the Christmas party at 2:00. He played games for 42 minutes then he spent 12 minutes decorating a Christmas cookie. Then he sang Christmas carols for 27 minutes. At what time did he finish singing Christmas Carols?



Solve It!

6
Jordan's family drove 258 miles to spend Kwanzaa with his grandparents. Jordan's cousins drove 115 miles. After both families return home when Kwanzaa is over, how many more miles will Jordan's family have driven than his cousins?



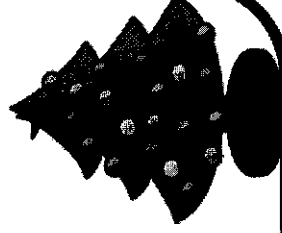
Solve It!

7
Aaron has 4 bags of Hanukkah gelt. Each bag contains 18 chocolate coins. He divides the coins evenly among 8 of his friends. How many chocolate coins does each friend get?



Solve It!

8
Mrs. Brady bought 3 boxes of Christmas ornaments for \$11.85 each. She paid for them with two twenty dollar bills. How much change did Mrs. Brady get back?



Solve It!

9

It takes Krinkles, the elf, 14 minutes to paint one toy boat and 18 minutes to paint one toy train. How long will it take Krinkles to paint one dozen of each type of toy? Express your answer in hours and minutes.



Solve It!

10

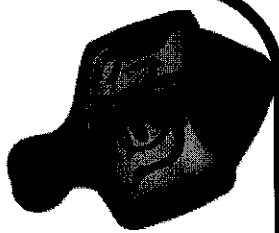
Kwanzaa is celebrated for 7 days each year. Kwanzaa was celebrated for the first time in 1966. What is the total number of days that Kwanzaa has been celebrated so far?



Solve It!

11

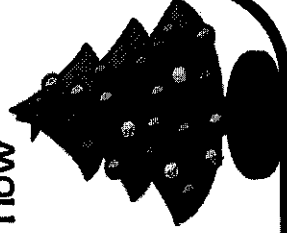
Lara is decorating placemats with Stars of David. Each star is made from two triangles. She wants to put 8 stars on each placemat and there are 18 placemats. How many triangles will she need?



Solve It!

12

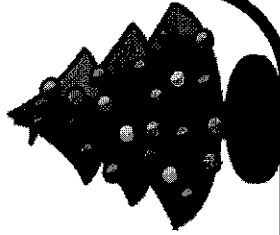
Kelli and Mandy sold Christmas wreaths for a school fundraiser. Kelli sold 3 times more wreaths than Mandy. Mandy sold 27 wreaths. How many wreaths did both girls sell altogether?



Solve It!

Dasher played reindeer games three times as long as Comet played. Comet played for half as long as Blitzen. Blitzen played for 42 minutes. For how long did Dasher play reindeer games?

13



Solve It!

Danielle and her mother are making sweet potato pie for the Kwanzaa feast. Each pie can be sliced into eight pieces. They want to make enough pie so that each person can have two slices. 25 people will be at the feast. How many pies do they need?

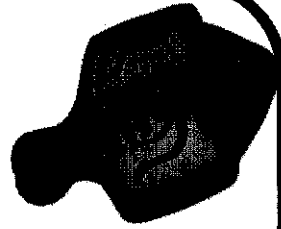
14



Solve It!

Mr. Levine sells menorahs in his store. He sells small menorahs for \$19.98 and large menorahs for \$37.98. Yesterday he sold 7 small menorahs and 4 large menorahs. How much money did Mr. Levine make selling menorahs?

15



Solve It!

Calvin was decorating a gingerbread house. He used 34 gumdrops, 27 pieces of chocolate, 12 pieces of licorice and 13 small candy canes. How many pieces of candy did Calvin use to decorate his gingerbread house?

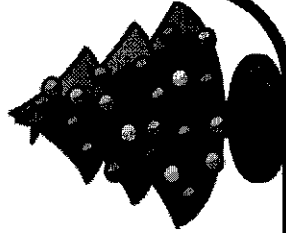
16



Solve It!

17

On December 1st, Mr. Smith bought one gallon of eggnog. If he drinks $1\frac{1}{2}$ cups of eggnog everyday, on what date will he run out of eggnog?



Solve It!

18

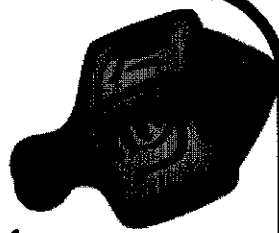
Eli is making Mancala games for each of his 17 cousins. He has decided to use small stones as playing pieces. He needs 48 stones for each game. How many stones will Eli need for his games?



Solve It!

19

Mara is 12 years old. Each year of her life, Mara has received a gift from her parents on each of the 8 days of Hanukkah. She also gets three Hanukkah gift each year from her relatives. How many Hanukkah gifts has Mara received in her life so far?



Solve It!

20

Sophie had 120 candy canes. She gave 3 candy canes to each of the guests at the Christmas party. There were 28 guests. How many candy canes does Sophie have left?



Name _____

Winter Holiday Word Problems Answer Sheet

Name _____

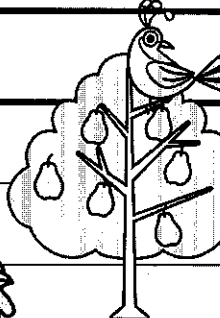
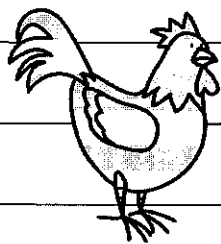
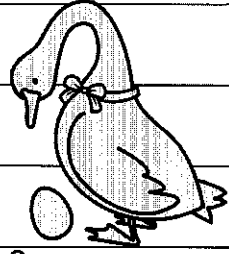

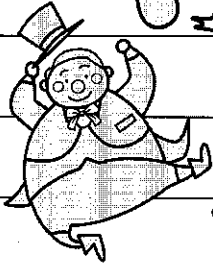

Winter Holiday Word Problems Answer Sheet

Name _____

Date _____

12 Days of Christmas

Wow! Your true-love sure is generous! Look at all the cool stuff he/she gave you! Now that you have all this stuff, it's time to do some math. Use the chart to solve the 12 problems on the next few pages. Be sure to show your work!

Day	Present
First	A Partridge in a Pear Tree 
Second	2 Turtle Doves 
Third	3 French Hens 
Fourth	4 Calling Birds 
Fifth	5 Golden Rings 
Sixth	6 Geese a-Laying 
Seventh	7 Swans a-Swimming
Eighth	8 Maids a-Milking
Ninth	9 Ladies Dancing
Tenth	10 Lords a-Leaping
Eleventh	11 Pipers Piping
Twelfth	12 Drummers Drumming

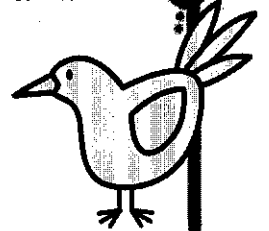
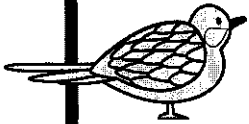
Math Packet #3

Name _____

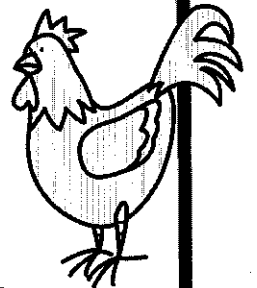
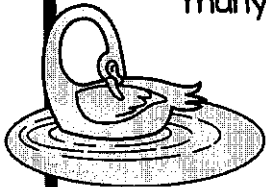
Date _____

1. How many gifts did your true-love give you all together (count each gift just once, not multiple times for the many verses in the song)?

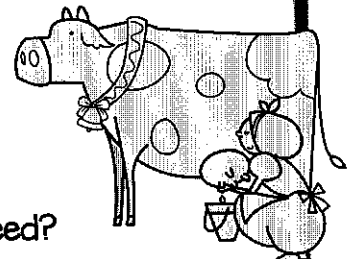
2. It seems that you are now the owner of many birds. How many birds do you have?



3. You will need to feed your birds. Each bird eats 3 worms every day. How many worms will you need each day to feed all of your birds?

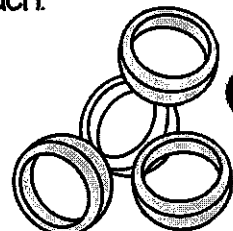


4. Each Maid a-Milking comes with her own cow. It is cold out in December, so you decide to buy slippers for all the cows. How many cow slippers will you need?



5. Cow slippers cost \$2.50 a pair. How much money do you need?

6. You decide to sell the golden rings to the mailman for \$6.53 each. How much money did you make?

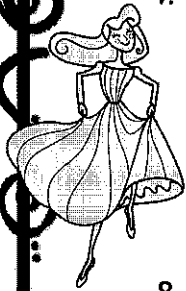


Do you have enough for the cow slippers?

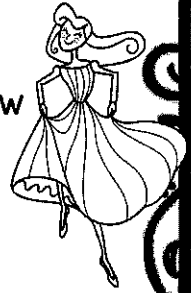
Math Packet #3

Name _____

Date _____

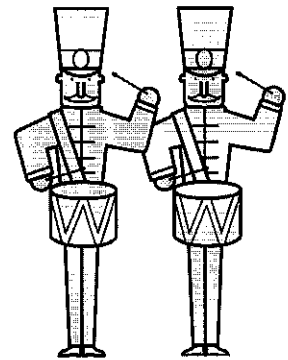


7. The drummers drum all the time! Everyone is complaining. You decide to give all the people (except the drummers) earplugs. How many pairs of earplugs do you need? Don't forget to include yourself!

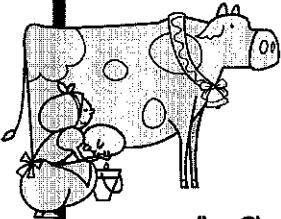


8. Earplugs cost \$2.37 for a box of 5 pairs. How many boxes will you need?

9. How much will you spend on the earplugs?



10. Everyday each of the Maids a-Milking gets 3 gallons of milk from her cow. How much milk to the Maids get in one day?



11. *Challenge: It takes 6 gallons of milk to make 1 pound of cheese. You would like to give a pound of cheese to all the Lords a-Leaping and the Pipers Playing. How many gallons of milk will you need?











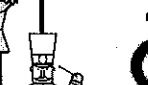

12. *Challenge: How many days of milking will it take to get enough milk to make all this cheese?



Name _____

Date _____

It is February and you are sick of pipes, drums, cows and birds. There are feathers and bird droppings everywhere! Further, they have eaten everything you have and the Lord a-Leaping watch too much TV. You decide to send them all away, but you can't send them all to the same place. You must send them all to places where they will be happy. Tell where you send each of them and use your imagination!

<i>1 Partridge in a Pear Tree</i>	
<i>2 Turtle Doves</i>	
<i>3 French Hens</i>	
<i>4 Calling Birds</i>	
<i>5 Golden Rings (sold)</i>	
<i>6 Geese a-Laying</i>	
<i>7 Swans a-Swimming</i>	
<i>8 Maids a-Milking</i>	
<i>9 Ladies Dancing</i>	
<i>10 Lords a-Leaping</i>	
<i>11 Pipers Piping</i>	
<i>12 Drummers Drumming</i>	

SOLVING 2-STEP WORD PROBLEMS

1. Read and Understand.

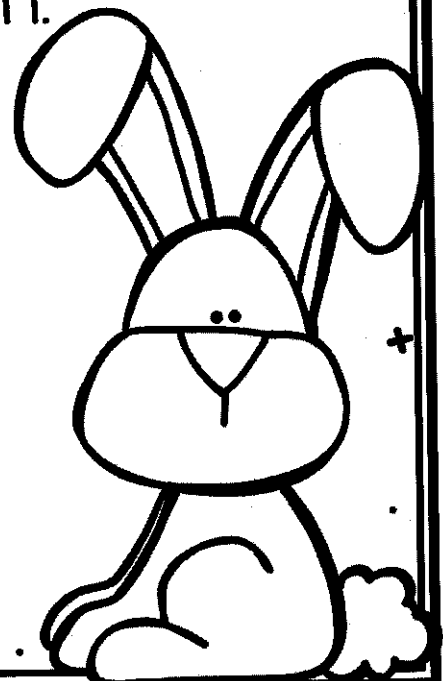
- * Read the problem.
- * Ask: Do I understand the questions?

2. Plan it out!

- * Find the answer to the first question.
- * Solve the second question.

3. Solve and Check.

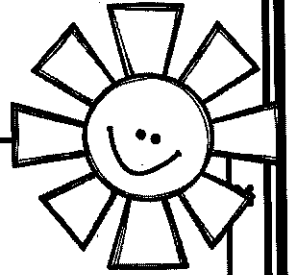
- * Solve both questions.
- * Check your work.



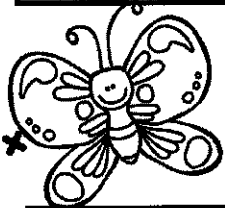
Solve the Problem I

Name: _____

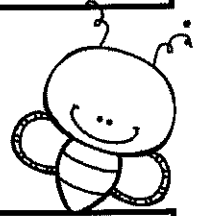
The Problem



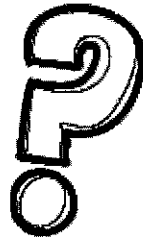
1. A female bunny gained one pound per week for six weeks. A male bunny gained two pounds per week for six weeks. How many more pounds did the male bunny gain than the female bunny?



Two pieces of information are missing.



1.



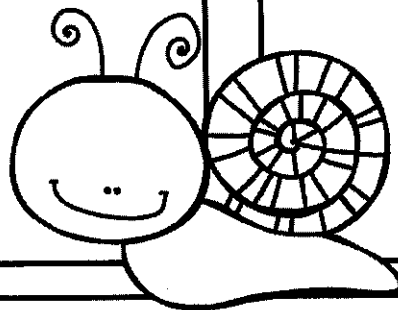
2.

Step 1

Step 2

1.

2.

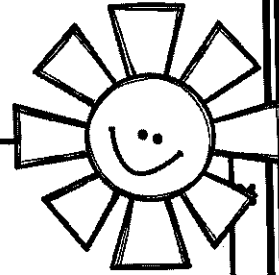


Solution:

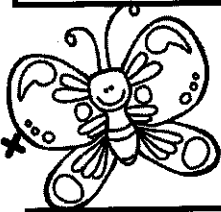
Solve the Problem 2

Name: _____

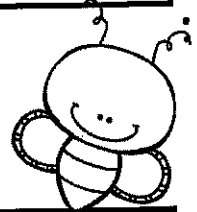
The Problem



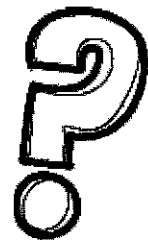
1. Kamoria found seven frogs on Monday and eight frogs on Tuesday by the pond near her house. Each frog had five warts. How many more warts did the frogs have on Tuesday than on Monday?



Two pieces of information are missing.



1.



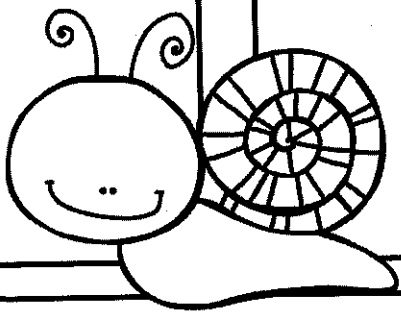
2.

Step 1

Step 2

1.

2.

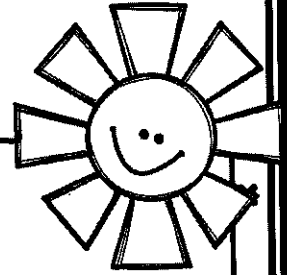


Solution:

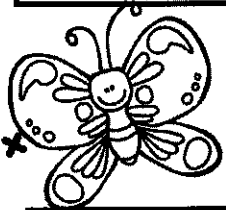
Solve the Problem 3

Name: _____

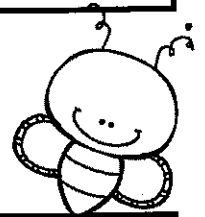
The Problem



1. Bryson grew 10 tulips and 12 daffodils in his garden. Each tulip has six petals. Each daffodil has six petals. How many petals are there altogether?



Two pieces of information are missing.



1.



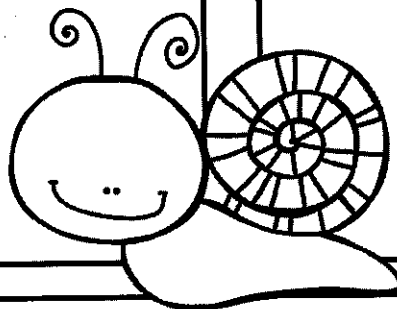
2.

Step 1

Step 2

1.

2.



Solution:

Movie Night

The Lion Queen (G) 1 hr 24 min
12:05 pm, 2:30 pm, 4:40 pm, 7:00 pm, 9:20 pm

Villains, Inc. (G) 1 hr 33 min
11:50 am, 2:20 pm, 4:45 pm, 7:20 pm, 10:15 pm

Beauty & the Monster (G) 1 hr 50 min
12:00 pm, 2:40 pm, 5:20 pm, 8:00 pm, 10:40 pm

Sleeping Princess (G) 1 hr 50 min
12:15 pm, 1:45 pm, 3:15 pm, 4:35 pm, 6:20 pm, 7:35 pm

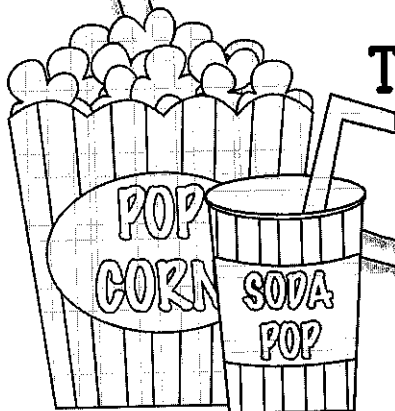
Toy Tale (G) 1 hr 58 min
11:30 am, 2:15 pm, 5:00 pm, 7:45 pm, 10:30 pm

One Hundred One Labradors (PG) 1 hr 44 min
12:10 pm, 1:35 pm, 3:00 pm, 4:25 pm, 5:45 pm, 8:40 pm

Finding a Fish (G) 1 hr 47 min
12:35 pm, 2:00 pm, 3:25 pm, 4:50 pm, 6:15 pm, 7:40 pm

The Princess & the Turtle (G) 1 hr 52 min
1:45 pm, 3:25 pm, 4:15 pm, 8:35 pm

The Forest Book (G) 1 hr 45 min
11:30 am, 2:10 pm, 4:55 pm, 7:30 pm



Name: _____

Date: _____

Elapsed Time: Movie Night

1. The first showing for *Beauty & the Monster* is at 12:00 p.m. How many minutes will pass before the next showing?

2. How long is the *Lion Queen* in minutes?

3. If you go see *Finding Fish* at 3:25 p.m., at what time will you leave the movie?

4. You are going to see *The Forest Book* at 4:55 p.m. At what time will the movie be over?

5. If it takes 16 minutes to get to the movie theater, at what time do you need to leave in order to get to the movie theater by 5:00 p.m. to see *Toy Tale*?

At what time will you get home?

