#### NS5-38: Remainders

Guy wants to share 9 apples with 3 friends. He sets out 4 plates, one for himself and one for each of his friends. He puts one apple at a time on a plate:						
$ \underbrace{\bullet} \underbrace{\bullet} \underbrace{\bullet} \underbrace{\bullet} \underbrace{\bullet} \underbrace{\bullet} \underbrace{\bullet} \underbrace{\bullet}$						
9 apples cannot be shared equally into 4 sets. Each person gets 2 apples, but one is left over. 9 $\div$ 4 = 2 Bemainder 1 OB 9 $\div$ 4 = 2 B 1						
1. Can you share 7 apples equally onto 2 plates? Sho	w your work using dots and circles:					
<ol> <li>Share the dots as equally as possible among the ciral</li> <li>a) 8 dots in 3 circles</li> </ol>	rcles. b) 13 dots in 4 circles					
dots in each circle; dots remaining	dots in each circle; dot remaining					
3. Share the dots as equally as possible. Draw a picture and write a division statement.						
Example: 9 dots in 2 circlesa) 14 dots in 4 circles $\bullet \bullet \bullet$ $\bullet \bullet \bullet$ $9 \div 2 = 4 R1$ a) 14 dots in 4 circles	o) 18 dots c) 17 dots d) 22 dots in 6 circles in 4 circles in 3 circles					
<ul> <li>4. Five children want to share 22 sea shells. How many shells will each child receive? How many will be left over?</li> </ul>						
<ol><li>Find two different ways to share 29 pens into ec so that one is left over.</li></ol>	qual groups					

6. Four friends have more than 7 stickers and less than 13 stickers. They share the stickers evenly. How many stickers do they have? (Is there more than one answer?)

# Number Sense 1

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# NS5-40: Long Division — 2-Digit by 1-Digit

Manuel is preparing snacks for 4 classes. He needs to divide 97 oranges into 4 groups. He will use long division and a model to solve the problem:





- Manuel has written a division statement to solve a problem. How many groups does he want to make? How many tens and how many ones would he need to model the problem?
  - a) 3 ) 76
     b) 4 ) 95
     c) 4 ) 92
     d) 5 ) 86

     groups \_\_\_\_\_
     groups \_\_\_\_\_
     groups \_\_\_\_\_
     groups \_\_\_\_\_

     tens blocks \_\_\_\_\_
     tens blocks \_\_\_\_\_
     tens blocks \_\_\_\_\_
     tens blocks \_\_\_\_\_

     ones \_\_\_\_\_
     ones \_\_\_\_\_
     ones \_\_\_\_\_
     ones \_\_\_\_\_
- 2. How many tens blocks can be put in each group?



3. For each division statement, how many groups have been made? How many tens are in each group?





#### **Number Sense 1**

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## NS5-40: Long Division — 2-Digit by 1-Digit (continued)

4

7





10. Avi put 98 flowers in bouquets of 8. How many flowers are left over?



12. Michelle jogs for 3 km everyday. How many days will she take to run 45 km?





 A six sided pool has perimeter 72 m. How long is each side?



14. Guerdy packs 85 books into boxes of 6, and Tyree packs 67 books into boxes of 4. Who uses more boxes?















11. How many weeks are in 93 days?

i)

n)

#### NS5-41: Long Division – 3- and 4-Digit by 1-Digit (continued)

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jump math MULTIPLAING POTENTIAL Number Sense 1

## NS5-42: Topics in Division (Advanced)

	Answer the following questions in your notebook.				
1.	A class paid \$20 for a cake and \$4 per child for a slice of pizza. They paid \$140. How many children are in the class?	2.	Make as many 3- the digits 5, 1, an Which of your nu a) 2 c) 10	-digit numbers as you can using ad 0. (Use each digit once). mbers are divisible by b) 5 d) 3	
3.	<ul> <li>A number has</li> <li>remainder 2 when divided by 3</li> <li>remainder 4 when divided by 5</li> <li>What is the number?</li> </ul>	4.	Raj wants to divid and 56 peanuts e no food left over)	de 24 apricots, 64 raisins, evenly into packets (with What is the greatest number of packets he can make? Explain.	

In questions below, you will have to interpret what the remainder means.

*Example:* Cindy wants to put 64 cookies onto trays. Each tray holds 5 cookies.

How many trays will she need?

#### 64 ÷ 5 = 12 remainder 4

She will need 13 trays (because she needs a tray for the four leftover cookies).

5. A car can hold 5 passengers. How many cars will 29 passengers need?
6. Manu colours 4 pictures in her picture book every day. How many days will she take to colour 50 pictures?
7. Jay shares 76 plums as evenly as possible among 9 friends. How many plums does each friend get?
8. Siru wants to place her stamps in an album. Each page holds 9 stamps. How many pages will she need for 95 stamps?

