Name: #4

NS6-31: Sets

Abdul has 16 apples. A tray holds 4. There are 4 trays.

What has been shared or divided into **sets** or **groups**? *(Apples.)*

How many **sets** are there? *(There are 4 sets of apples.)*

How many of the things being divided are in each **set**? *(There are 4 apples in each set.)*

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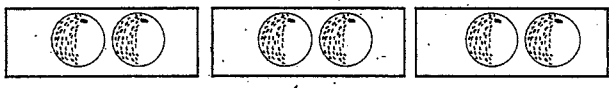
1. a) 

What has been shared or divided into sets? _____

How many sets? _____

How many in each set? _____

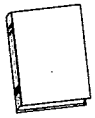
b) 

What has been shared or divided into sets? _____

How many sets? _____

How many in each set? _____

2.

	What has been shared or divided into sets?	How many sets?	How many in each set?
a) 8 books for each student 32 books 4 students 			
b) 4 flowers in each vase 6 flower vases 24 flowers 			
c) 5 apples on each tray 20 apples 4 trays 			
d) 3 trees in each row 7 rows 21 trees 			

3. Using circles for <u>sets</u> and dots for <u>things</u>, draw a picture to show...

a) 6 sets
3 things in each set

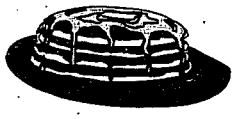
b) 4 groups
5 things in each group

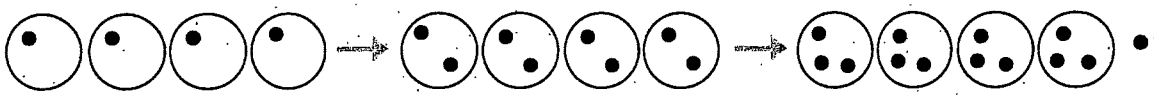
c) 2 sets
9 things in each set

Name: _____

NS6-34: Remainders #4

Win-Chi wants to share 13 pancakes with 3 friends.
He sets out 4 plates, one for himself and one for each of his friends.
He puts one pancake at a time on a plate.





There is one pancake left over.

Thirteen pancakes cannot be shared equally into 4 sets.
Each person gets 3 pancakes, but *one* is left over.
This is the remainder.

13 ÷ 4 = 3 Remainder 1 OR 13 ÷ 4 = 3 R1 **NOTE: R means "remainder"**

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1. Can you share 9 pancakes equally onto 2 plates?
   Show your work using dots for pancakes and circles for plates.

2. For each question, share the dots as equally as possible among the circles.

   a) 10 dots in 3 circles

   ____ dots in each circle; ____ dots remaining

   b) 17 dots in 4 circles

   ____ dots in each circle; ____ dots remaining

3. Share the dots as equally as possible. Draw a picture and write a division statement.

   a) 13 dots in 3 circles

   

   13 ÷ 3 = 4 R1

   b) 19 dots in 3 circles

   c) 36 dots in 5 circles

   d) 33 dots in 4 circles

   e) 43 dots in 7 circles

4. Eight friends want to share 25 apples among them.
   How many apples will each friend get?
   How many will be left over?

5. Three siblings have more than 5 and less than 13 animal posters.
   They share the posters evenly with no remainder.
   How many posters do they have? (Show all the possible answers.)

6. Find four different ways to share 19 cookies into equal groups so that one is left over.