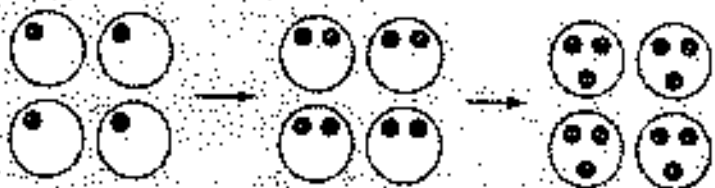


NS3-48 Sharing When You Know the Number of Sets

four friends want to share 12 cookies. They set out 4 plates.

They put 1 cookie on each plate, then repeat.



Each plate holds a set (or group) of 3 cookies.

When 12 cookies are divided (or shared equally) into 4 sets, there are 3 cookies in each set.

1. Put an equal number of cookies on each plate.

Hint: Draw the plates, then place 1 cookie at a time.

a) 6 cookies 3 plates



b) 9 cookies 3 plates

c) 8 cookies 2 plates

d) 5 plates 10 cookies

e) 2 plates 6 cookies

f) 4 plates 12 cookies

g) 4 plates 8 cookies

h) 2 plates 12 cookies

2. Draw dots for the things being shared equally. Draw circles for the sets.

a) 3 wagons

9 students

How many students in each wagon?

b) 15 stamps

3 pages

How many stamps on each page?

_____ students in each wagon

_____ stamps on each page

c) 4 boats

12 students

How many students on each boat?

d) 2 boxes

10 pens

How many pens in each box?

_____ students on each boat

_____ pens in each box

3. Draw a picture or make a model to solve the problem.

a) 4 friends share 8 tickets.

How many tickets does each friend get?

b) 12 chairs are placed in 3 rows.

How many chairs are in each row?

c) 24 flowers are planted in 6 rows.

How many flowers are in each row?

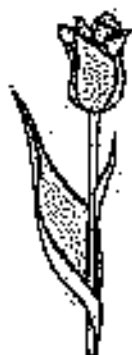
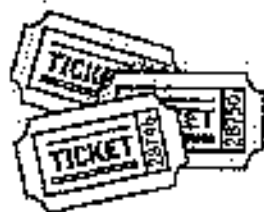
d) Edmond earned 20 dollars for his work. He worked 5 hours.

How much did he earn each hour?

Hint: Draw dots for dollars and circles for hours.

e) Kate earned 15 dollars for her work. She worked 3 hours.

How much did she earn each hour?



3-49 Sharing When You Know the Number in Each Set

Tim has 20 apples. He wants to put 5 apples in each bag.

Find out how many bags he needs.
Tim starts by counting out 5 apples.



He then keeps counting out sets of 5 apples until he has used all 20 apples.



He can make 4 bags. When 20 apples are divided into sets of 5 apples, there are 4 sets.

Put the correct number of dots in each set.



2 dots in each set



3 dots in each set



2 dots in each set



3 dots in each set



5 dots in each set



3 dots in each set

Divide the array into the given number of sets.

a) sets of 2



b) sets of 3



c) sets of 3



d) sets of 4



Draw a picture to solve the problem. Hint: Start by drawing a circle and placing the correct number of dots in the circle.

a) 12 dots

4 dots in each set

How many sets? _____

b) 15 dots

5 dots in each set

How many sets? _____

4. Draw dots for the things being divided equally.
Draw circles for the sets.

a) 10 students

5 students in each wagon

How many wagons?

..... wagons

b) 12 stamps

4 stamps on each page

How many pages?

..... pages

c) 20 books

4 books on each shelf

How many shelves?

..... shelves

d) 15 fish

5 fish in each tank

How many tanks?

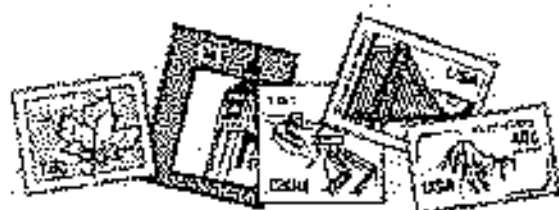
..... tanks

5. Sam has 10 oranges. He wants to sell bags of 2 oranges. How many bags can he sell?

6. Emma has 12 books. She wants to put 3 books in each bag. How many bags does she need?

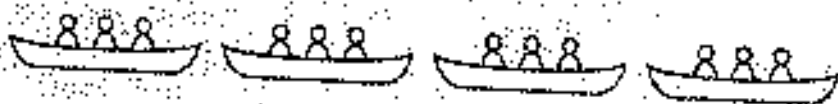
7. Raj has 15 stamps. He wants to put 5 stamps on each page of his stamp book. How many pages will he need?

8. A sailboat can hold 3 students. There are 12 students. How many sailboats are needed?



NS3-50 Sets

12 students go canoeing.
There are 4 canoes.
A canoe holds 3 students.



What has been shared or divided into sets?

Students.

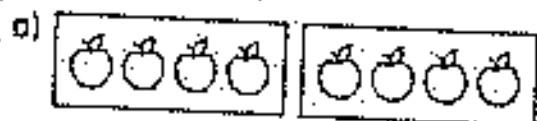
How many sets are there?

There are 4 sets of students.

How many are in each set?

There are 3 students in each set.

1. Fill in the blanks.



What has been shared or divided into sets? _____

How many sets? _____

How many in each set? _____



What has been shared or divided into sets? _____

How many sets? _____

How many in each set? _____

2. Draw a picture to show the situation. Use circles for sets and dots for items.





a) 3 sets 4 items in each set.

b) 4 sets 5 items in each set

c) 2 groups 3 items in each group

d) 2 groups 4 items in each group

3. Fill in the table.

	What Has Been Shared or Divided into Sets?	How Many Sets?	How Many in Each Set?
a)	15 students 3 students in each boat 5 boats 	students	5 3
b)	5 friends 20 cookies 4 cookies for each friend		
c)	18 oranges 6 boxes 3 oranges in each box 		
d)	4 dogs 20 spots 5 spots on each dog		
e)	5 stamps on each page 35 stamps 7 pages 		
f)	3 playgrounds 12 swings 4 swings in each playground		
g)	5 people in each house 10 people 2 houses 		
h)	20 chairs 5 rows 4 chairs in each row		