Name:	Date:

### **Worksheet 1: Sharing and Grouping**

- 1. 20 students are in the standard one class. If two persons can be seated at a desk in the class, how many desk does the teacher need to make sure all the students are seated?
- 2. Maria bought a string 25 meters long. If she cuts the string into 5 equal pieces, how long is one of the strings?
- 3. Raul is sharing \$340 equally with his three friends. How much does each get?
- 4. The pictograph below shows how many pumpkins each vendor had at the Sunday market. If a total 66 pumpkins were brought to the market, how many pumpkins does one pumpkin in the graph represent?

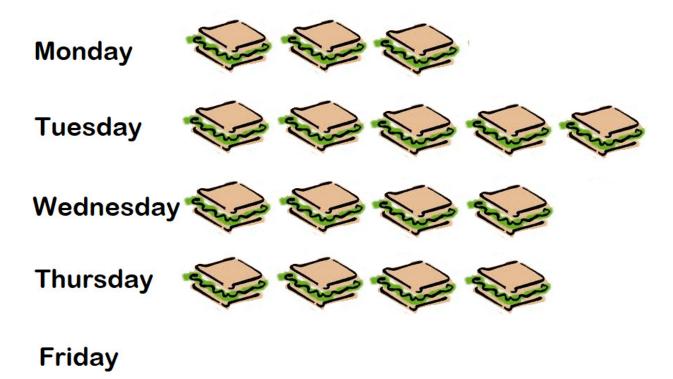
# **PUMPKIN HARVEST**

Name	Number of pumpkins
Peter	
Richard	
Martha	
Louis	

Name:	Date:

## **Worksheet 2: Sharing and Grouping**

- 1. 36 lollies is shared equally among 6 children. How much does each child receive?
- 2. How many boxes of orange juice should mother buy each week if she wants to give each of her three children 3 boxes each day of the week?
- 3. How many loaves of bread can I make with 12 cups of flour if I need 4 cups to make a loaf?
- 4. Sir has 24 colouring books to share equally in his class. If there are 12 students in the class, how many colouring books can each child get?
- 5. On Tuesday, 10 more sandwiches were sold than on Monday. How many sandwiches must be drawn to show that 30 sandwiches were sold on Friday?



# **Worksheet 3: Commutative and Associative Properties**

#### Note:

$$4 + 2 = 2 + 4$$

$$4 + (2 + 3) = (4 + 2) + 3$$

$$4 \times 2 = 2 \times 4$$

$$(4 \times 2) \times 5 = 4 \times (2 \times 5)$$

$$(4 \times 2) \times 5 = 4 \times (2 \times 5)$$
  $4 \times 6 = (4 \times 5) + (4 \times 1)$ 

*Identify the missing number.* 

6. 
$$(2+5) + \underline{\hspace{1cm}} = (5+3) + 2$$

10. 
$$4 \times (2 \times 3) = (4 \times ) \times 3$$

11. 
$$(6 \times 3) \times 2 = (\_ \times 2) \times 6$$

12. 
$$3 \times 9 = (3 \times 4) + (3 \times ___)$$

16. 
$$6 \times 8 = (6 \times 4) + (6 \times ___)$$

*Show that the following are true.* 

1. 
$$3 \times (6 \times 2) = (3 \times 6) \times 2$$

2. 
$$4 \times 6 = (4 \times 2) + (4 \times 4)$$

3. 
$$(2 \times 4) \times 3 = (3 \times 4) \times 2$$

4. 
$$5 \times 6 = (5 \times 3) + (5 \times 3)$$

5. 
$$3 + (8 + 6) = 8 + (6 + 3)$$

6. 
$$15 + 12 = (10 + 5) + (10 + 2)$$

7. 
$$(23 + 15) + 41 = (41 + 15) + 23$$

8. 
$$83 + 43 = 40 + 43 + 43$$

Circle the numbers that makes ten. Then add and write your answer.

1. 
$$6 + 4 + 8 =$$

$$2.4 + 3 + 7 =$$

$$4.8 + 5 + 2 =$$

# **Worksheet 4: Commutative and Associative Properties**

#### Note:

$$4 + 2 = 2 + 4$$

$$4 + (2 + 3) = (4 + 2) + 3$$

$$4 \times 2 = 2 \times 4$$

$$(4 \times 2) \times 5 = 4 \times (2 \times 5)$$

$$(4 \times 2) \times 5 = 4 \times (2 \times 5)$$
  $4 \times 6 = (4 \times 5) + (4 \times 1)$ 

*Identify the missing number.* 

6. 
$$(20 + 50) + 20 = (50 + ) + 20$$

10. 
$$4 \times (10 \times 3) = (4 \times _) \times 3$$

11. 
$$(6 \times 3) \times 2 = (\_ \times 2) \times 6$$

Show that the following are true.

9. 
$$3 \times (10 \times 2) = (3 \times 10) \times 2$$

10. 
$$(20 \times 4) \times 3 = (3 \times 4) \times 20$$

$$11.50 \times 60 = (50 \times 30) + (50 \times 30)$$

Circle the numbers that makes 100. Then add and write your answer.