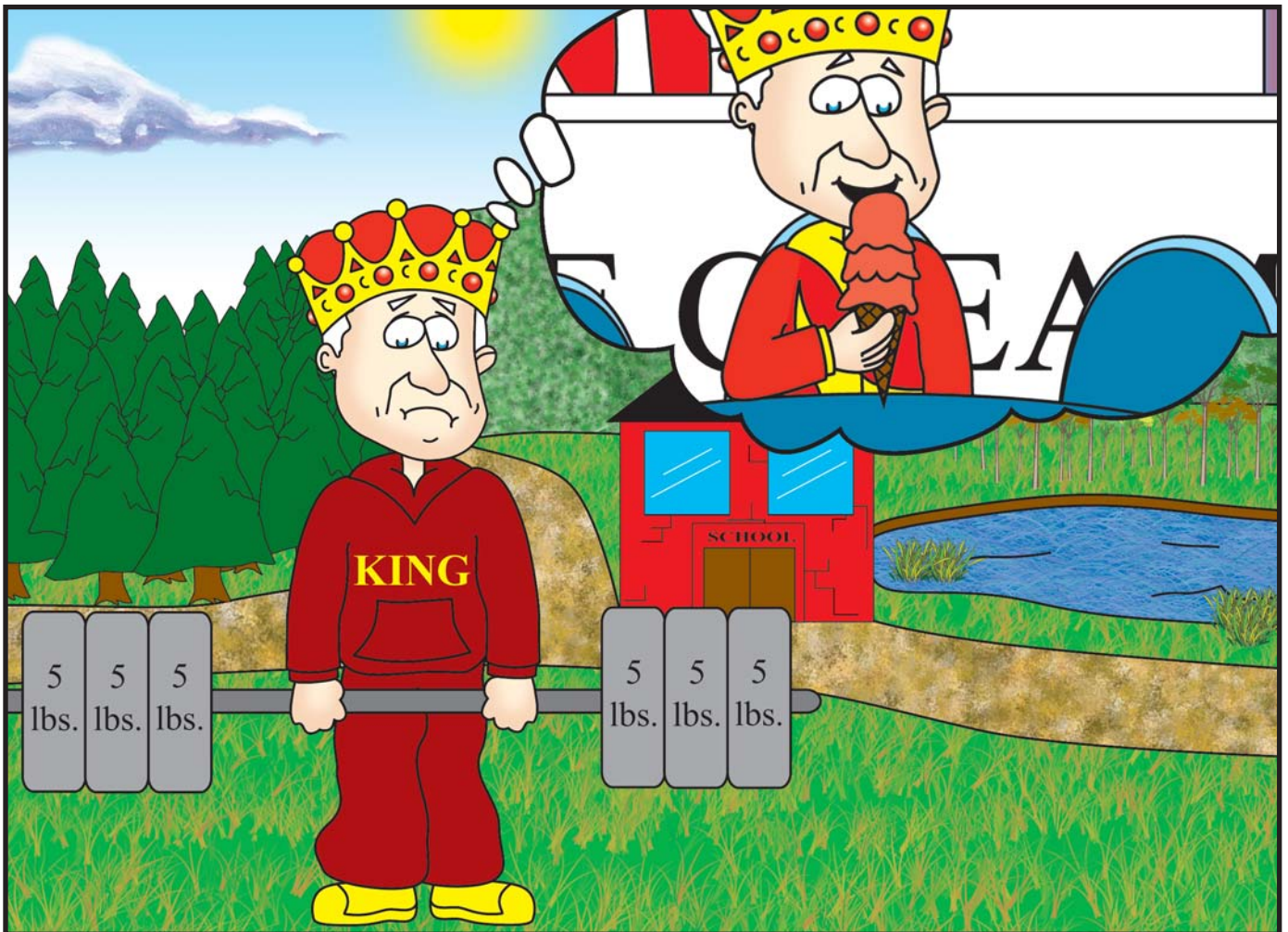


# King Joe Gets in Shape

Unit 5: Number Sense & Operations

## DISCUSSION QUESTIONS





## Discussion Questions

# Unit 5 King Joe Gets in Shape



### Chapter 1 - New Year's Resolutions

1. The answer to an addition problem is called the \_\_\_\_\_. (sum - pages 1 and 11)
2. The answer to a multiplication problem is called the \_\_\_\_\_. (product - page 1)
3. Everyone is having breakfast together on New Year's Day. What is the date of New Year's Day? (January 1st - page 1).
4. How many activities are going to be in the big race? What are they? (three - swimming, bicycle riding and a potato sack race - page 7)

### Chapter 2 - Exercise! Exercise! Exercise!

1. In the multiplication sentence,  $3 \times 2 = 6$ , the 3 and the 2 are called \_\_\_\_\_. (factors - page 10)
2. In the addition sentence,  $3 + 2 = 5$ , the 3 and the 2 are called \_\_\_\_\_. (addends - page 11)
3. Count by twos, starting with 16 and ending with 32. (16, 18, 20, 22, 24, 26, 28, 30, 32) (page 12)
4. In the subtraction sentence,  $3 - 2 = 1$ , the 1 is called the \_\_\_\_\_. (difference - page 15)
5. If you had 9 pieces of candy, and your friend had twice as many as you, how many pieces of candy would your friend have? (18 pieces of candy - page 16)

### Chapter 3 - The Stepping Stones

1. Look at page 18. Skip-count by 5s to find out how many pounds King Joe is lifting. (5, 10, 15, 20, 25, 30. King Joe is lifting 30 pounds.)
2. King Joe was lifting 25 pounds. Ed the Exercise Expert increased the weights by 10 pounds. Now how many pounds is King Joe lifting? (35 pounds - page 19)
3. Count by even numbers. Start with 2 and end with 20. (2, 4, 6, 8, 10, 12, 14, 16, 18, 20 - page 20)
4. Say your even ordinal numbers from second to twentieth. (second, fourth, sixth, eighth, tenth, twelfth, fourteenth, sixteenth, eighteenth, twentieth - page 21)

5. Count by odd numbers. Start with 1 and end with 21.  
(1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21 - page 22)
6. Say your odd ordinal numbers from first to nineteenth to a partner. (first, third, fifth, seventh, ninth, eleventh, thirteenth, fifteenth, seventeenth, nineteenth - page 23)

#### **Chapter 4 - King Joe's Books**

1. [2, 3, 8, 4, 17, 9] Is this a series of numbers or are these numbers in random order?  
(random order - page 27)
2. Tell your partner a series or sequence of six numbers.  
(multiple answers possible 1, 2, 3, 4, 5, 6 or 21, 22, 23, 24, 25, 26, etc. - page 27)
3. King Joe has 205 books in his library. If Leonardo gave him 100 more for his birthday, how many books would King Joe have altogether? (305 books - page 30)
4. If King Joe had 272 books in his library and he decided to give away 100, he would now have 100 less. How many books would he have left? (172 - page 30).

#### **Chapter 5 - A Big Surprise!**

1. When King Joe is sick, Leonardo brings him a bag of King Joe Chocolates. There are one dozen King Joe Chocolates in the bag. How many is one dozen? (12 - page 32).
2. King Joe shares his dozen King Joe Chocolates evenly with Leonardo. If King Joe divides the dozen in half, how many will Leonardo get? How many will King Joe get?  
(They will each get 6 King Joe Chocolates. - page 32)
3. How many friends does King Joe get to take with him to Paris? (6 friends - page 37).  
How many will be going altogether? (7, including King Joe - page 37)

#### **Chapter 6 - King Joe Goes to School**

1. When Ed the Exercise Expert is timing King Joe with a stopwatch in the pool, does King Joe want a higher number or a lower number? (He wants a lower number for his fastest time. A lower number means it took him less time to swim. - page 39)
2. "Whole minus part equals part" is another way to say \_\_\_\_\_. (subtraction - page 41)
3. Without rereading or looking at the book, how many different ways can you remember to say 'subtraction'? (see list on page 42)
4.  $6 + 4 = 10$  is called an \_\_\_\_\_? (addition sentence - page 43)
5. Without looking at the book, how many different ways can you remember to say 'addition'? (see list on page 44)
6. Make a fact family using the numbers 5, 4 and 9.  
( $5 + 4 = 9$ ,  $4 + 5 = 9$ ,  $9 - 5 = 4$  and  $9 - 4 = 5$  - page 45)

## **Chapter 7 - More Math for King Joe**

1. King Joe has 34 pieces of King Joe Chocolates. What number is in the tens place? (3 - page 50). What number is in the ones place? (4 - page 50)
2. There are 798 pieces of King Joe Chocolates hidden in King Joe's money room. What number is in the hundreds place? (7 - page 51)
3. King Joe is happily picturing 9,708 pieces of King Joe Chocolates. What number is in the thousands place? (9 - page 52) the hundreds place? (7) the tens place? (0) the ones place? (8)
4. In the number 6,843 what does the 6 in the thousands place stand for? (6,000 - page 53) the 8 in the hundreds place? (800) the 4 in the tens place? (40) the 3 in the ones place? (3)

## **Chapter 8 - The Trip to Paris**

1. Look at Mike the Magnificent's list on page 55. How many suitcases are there altogether? (17 suitcases)
2. Look at page 56. Who has one more suitcase than King Joe? (Queen Wanda) Which two people have the same number of suitcases? (Ed the Exercise Expert and Mike the Magnificent). Who has the greatest number of suitcases? (Princess Rebecca) Who has the fewest suitcases? (Leonardo)
3. In the problem,  $30 \div 6 = 5$ , the five is called the \_\_\_\_\_. (quotient - page 60)
4. In the problem,  $45 \div 7 = 6R3$ , the 3 is called the \_\_\_\_\_. (remainder - page 60)
5. How many stairs would you have to climb to get to the third level of the Eiffel Tower? (1,652 stairs - page 63)

## **Chapter 9 - Monet's House**

1. Monet was a famous \_\_\_\_\_. (painter - page 68)
2. Each room in Monet's house is a different \_\_\_\_\_. (color - page 69)
3. When you add two of the same number like  $2 + 2$ , or  $8 + 8$ , it is called adding \_\_\_\_\_. (doubles - page 70)
4. Count by threes from 3 to 21. (3, 6, 9, 12, 15, 18, 21 - page 71)
5. Count by fours from 8 to 32. (8, 12, 16, 20, 24, 28, 32 - page 72)
6. Count by tens, or multiples of tens, from 10 to 100.  
(10, 20, 30, 40, 50, 60, 70, 80, 90, 100 - page 72)
7. Complete these number sentences: 7 is \_\_\_\_\_ 8. (less than - page 73).  
9 is \_\_\_\_\_ 8. (greater than - page 73).  
8 is \_\_\_\_\_ 8. (equal to - page 73).
8. Name your Arabic numerals. (0, 1, 2, 3, 4, 5, 6, 7, 8, 9 - page 75)
9. Using Roman numerals, what does X stand for? (10 - page 78).  
What does I stand for? (1)  
What does V stand for? (5)

### **Chapter 10 - Leonardo and King Joe's Secret Plan**

1. What does Leonardo draw for King Joe? (a number line - page 83)
2. King Joe and Leonardo are rounding numbers to the nearest ten. Help them round these numbers: 68 (70 - page 84). 54 (50), 41 (40), 99 (100), 199 (200).
3. For what time do Leonardo and King Joe set their alarm clocks for their secret exercise plan? (2:00 A.M. - pages 80 and 85)

### **Chapter 11 - Ed the Exercise Expert's Secret Plan**

1. Ed the Exercise Expert sets his alarm clock for \_\_\_\_\_ hours later than King Joe and Leonardo. (two - page 86)
2. Ed the Exercise Expert doesn't believe in \_\_\_\_\_. (dragons - page 87)

### **Chapter 12 - Race Day**

1. At the big race, what number does King Joe wear on his shirt? (8 - page 93) Is this a one-digit number or a two-digit number? (one-digit) Is this an even number or an odd number? (even)
2. There are many people in the big race. How many swimming pools are used? (6 - page 94)
3. In the big race, how many miles must they ride on their bicycles? (5 miles - page 95)

### **Just For Fun Questions**

1. On New Year's Day, what New Year's Resolution(s) would you like to make? Why? Do you think you will be able to keep your New Year's Resolution(s)?
2. If you were going to be in the big race would your favorite activity be swimming, bicycle riding or the potato sack race?
3. Would you like to have each room in your house a different color, like Monet? Why or why not?
4. If you won a trip, where would you like to go? Tell a partner about your trip.