

**Student Activity Book**

**Children’s Zoo Produce (SAB pp. 595–598)  
Questions 1–8**

Strategies will vary. Possible strategies are indicated in Figure 1 in the Lesson for Questions 1–6.

- 1.\* 39 stalks of celery
- 2.\* 36 bags of apples



- 3.\* 51 heads of lettuce
- 4.\* 45 bags of peanuts

Name \_\_\_\_\_ Date \_\_\_\_\_



**Children’s Zoo Produce**

Help the zookeeper order food for a three-day weekend. The first order slip shows how much food the zoo needs for one day. Show or tell how to solve each problem.

1.

Order Slip _____ <b>13 Stalks of Celery</b>  For One Day	Order Slip _____ _____ Stalks of Celery  For Three Days
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2.

Order Slip _____ <b>12 Bags of Apples</b>  For One Day	Order Slip _____ _____ Bags of Apples  For Three Days
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Name \_\_\_\_\_ Date \_\_\_\_\_

3.

Order Slip _____ <b>17 Heads of Lettuce</b>  For One Day	Order Slip _____ _____ Heads of Lettuce  For Three Days
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4.

Order Slip _____ <b>15 Bags of Peanuts</b>  For One Day	Order Slip _____ _____ Bags of Peanuts  For Three Days
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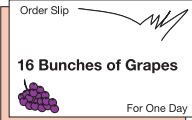
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\*Answers and/or discussion are included in the lesson.

## Answer Key • Lesson 2: Repeated Addition and Multiplication

Name \_\_\_\_\_ Date \_\_\_\_\_

5.  

6.  

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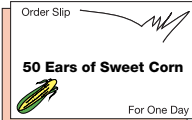
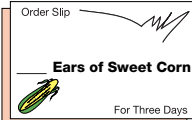
Repeated Addition and Multiplication SAB • Grade 2 • Unit 12 • Lesson 2 597

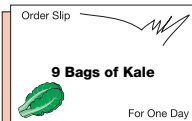
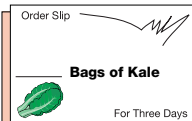
5.\* 48 bunches of grapes

6.\* 21 bags of spinach

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Name \_\_\_\_\_ Date \_\_\_\_\_

7.  

8.  

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7. 150 ears of sweet corn

8. 27 bags of kale

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\*Answers and/or discussion are included in the lesson.

**Know the Problem (SAB pp. 599–600)**

**Questions 1–4**

Drawings and number sentences will vary. Possible number sentences are given.

1. 7 pieces of fruit;  
4 apples + 3 bananas = 7 pieces of fruit
2. 12 bananas;  
4 monkeys × 3 bananas = 12 bananas
3. 10 animals;  
4 sea lions + 3 polar bears + 3 seals = 10 animals
4. 18 apples;  
3 + 3 + 3 + 3 + 3 + 3 = 18 apples

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Name \_\_\_\_\_ Date \_\_\_\_\_

**Know the Problem**

**Use drawings to solve Questions 1–4. Write a number sentence to show how you solved each problem.**

1. Jason has 4 apples and 3 bananas. How many pieces of fruit does he have? \_\_\_\_\_

Number sentence \_\_\_\_\_

2. There are 4 monkeys. Each monkey has 3 bananas. How many bananas are there altogether? \_\_\_\_\_

Number sentence \_\_\_\_\_

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Name \_\_\_\_\_ Date \_\_\_\_\_

3. There are 4 sea lions, 3 polar bears, and 3 seals in the pool. What is the total number of animals in the pool?

Number sentence \_\_\_\_\_

4. There are 6 apes. Each ape has 3 apples. How many apples are there altogether? \_\_\_\_\_

Number sentence \_\_\_\_\_

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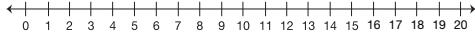
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Name \_\_\_\_\_ Date \_\_\_\_\_

**Solve Zoo Problems**

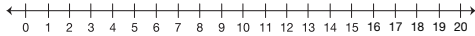
Solve each problem and write a number sentence. Show or tell how you solved each problem.

- There are 3 lion cubs, 4 tiger cubs, and 5 cheetah cubs at the Children's Zoo. How many cubs are at the Children's Zoo?



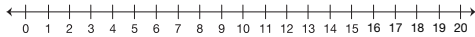
Number sentence \_\_\_\_\_

- There are 4 monkeys at the zoo. Each monkey ate 2 bananas. How many bananas did they eat altogether?



Number sentence \_\_\_\_\_

- Three tiger families are at the zoo. One family has 2 cubs, another has 6 cubs, and the third family has 1 cub. How many tiger cubs are there altogether?

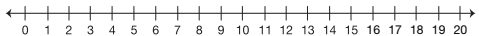


Number sentence \_\_\_\_\_

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Name \_\_\_\_\_ Date \_\_\_\_\_

- There are 4 monkeys at the zoo. The zookeeper has 16 bags of peanuts. If he gives the same amount to each monkey, how many bags of peanuts does each monkey get?



Number sentence \_\_\_\_\_

- The zookeeper needs 14 bags of yellow squash for one day. How many bags does he need for 2 days?

Number sentence \_\_\_\_\_

- Circle True or False for each number sentence.

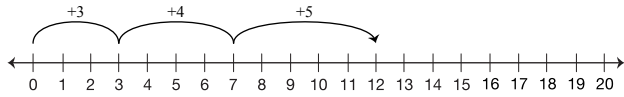
- |                                 |      |       |
|---------------------------------|------|-------|
| A. $4 + 4 + 4 = 3 \times 4$     | True | False |
| B. $2 \times 3 = 2 + 3$         | True | False |
| C. $5 + 5 + 5 + 5 = 5 \times 4$ | True | False |
| D. $3 \times 5 = 5 \times 3$    | True | False |
| E. $2 + 2 + 2 + 2 = 4 \times 2$ | True | False |

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**Solve Zoo Problems (SAB pp. 601–602)**

**Questions 1–6**

- 12 cubs



Number sentence: 3 lion cubs + 4 tiger cubs + 5 cheetah cubs = 12 cubs

- 8 bananas



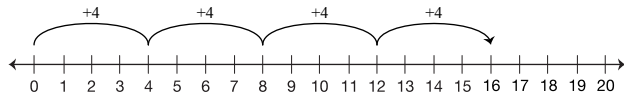
Number sentence:  
4 monkeys  $\times$  2 bananas = 8 bananas

- 9 cubs

I put 6 in my head and counted on 2: 7, 8 and then I counted on 1 more: 9.

Number sentence:  
6 cubs + 2 cubs + 1 cub = 9 cubs

- 4 bags of peanuts



I made jumps of 4 until I reached 16. I counted the jumps and there were 4.

4 monkeys  $\times$  4 bags of peanuts = 16 bags of peanuts

- 28 bags of yellow squash

$$\begin{array}{r} 10 + 4 \\ + 10 + 4 \\ \hline 20 + 8 = 28 \text{ bags of yellow squash} \end{array}$$

Number sentences: 14 bags + 14 bags = 28 bags of yellow squash

- A. True

B. Flase

C. True

D. True

E. True

**Teacher Guide**

**Children’s Zoo Produce List (TG)**

Three-Day Order List

- 42 Bags of Yellow Squash
- 36 Hard-Cooked Eggs
- 30 Bunches of Carrots
- 39 Bags of Oranges
- 27 Bags of Zucchini
- 54 Bunches of Bananas
- 45 Pounds of Beans

**How Many (TG pp. 1–2)**

**Questions 1–4**

1. 10 eyes;  $2 + 2 + 2 + 2 + 2 = 10$  eyes or  $5 \times 2 = 10$  eyes
2. 12 tires;  $4 + 4 + 4 = 12$  tires or  $3 \times 4 = 12$  tires
3. 9 flowers;  $3 + 3 + 3 = 9$  flowers or  $3 \times 3 = 9$  flowers
4. 15 fingers;  $5 + 5 + 5 = 15$  fingers or  $3 \times 5 = 15$  fingers

**Children’s Zoo Produce List**

Food Needed Each Day:

Three-Day Order List:

- |                                   |                               |
|-----------------------------------|-------------------------------|
| • <u>14</u> Bags of Yellow Squash | • _____ Bags of Yellow Squash |
| • <u>12</u> Hard-Cooked Eggs      | • _____ Hard-Cooked Eggs      |
| • <u>10</u> Bunches of Carrots    | • _____ Bunches of Carrots    |
| • <u>13</u> Bags of Oranges       | • _____ Bags of Oranges       |
| • <u>9</u> Bags of Zucchini       | • _____ Bags of Zucchini      |
| • <u>18</u> Bunches of Bananas    | • _____ Bunches of Bananas    |
| • <u>15</u> Pounds of Beans       | • _____ Pounds of Beans       |

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Master

**Teacher Guide**

Name \_\_\_\_\_ Date \_\_\_\_\_

**How Many**

**Homework**

Dear Family Member:

In class we have been learning how to solve multiplication problems by using various strategies (e.g., skip counting, repeated addition, drawings, constant math hoppers). Ask your child to explain how he or she solved each problem and what each number represents in the number sentences.

Thank you.

**Draw a picture for each problem. Then write a number sentence to answer the question.**

1. Draw 5 monkey faces. Draw 2 eyes on each monkey.

How many eyes are there in all? \_\_\_\_\_

Number sentence \_\_\_\_\_

2. Draw 3 cars. Draw 4 tires on each car.

How many tires are there in all? \_\_\_\_\_

Number sentence \_\_\_\_\_

Homework Master TG • Grade 2 • Unit 12 • Lesson 2

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Name \_\_\_\_\_ Date \_\_\_\_\_

3. Draw 3 vases. Draw 3 flowers in each vase.

How many flowers are there? \_\_\_\_\_

Number sentence \_\_\_\_\_

4. Draw 3 hands. Each hand has 5 fingers.

How many fingers are there in all? \_\_\_\_\_

Number sentence \_\_\_\_\_

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