

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Section: \_\_\_\_\_

**Link Sheet - MCAS 2012 – Animal Ratios (G612Q18OR)**

**Story**

Ms. Diaz works at a zoo. She created an exhibit with the animals listed in the table below.

**Animal Exhibit**

Type of Animal	Number
elephant	8
giraffe	12
rhino	4

**Questions**

(1) What is the total amount of animals in the Animal Exhibit?

(2) Find the fraction of each animal. Simplify the fraction if possible. (Hint: part over whole)

Animal	Fraction	Simplify
Elephant		
Giraffe		
Rhino		

(3) If Jan adds 2 more elephants, how many elephants are in the exhibit?

(4) Use the table. If there are 10 elephants, how many giraffes and rhinos are there if we keep the same proportion?

Giraffes \_\_\_\_\_ Rhinos \_\_\_\_\_

**Data Table**

Keeping the proportions of the animals the same, fill in the following data table. Feel free to use the cards.

Elephant	Giraffe	Rhino
		1
	6	2
6		3
8	12	4
		5
		6
		7
16		8
		9
		10
		11
	36	12
		...
		40

(5) So how many more giraffes were added?

(6) So how many more rhinos were added?

2012 Grade 6 Question 18 is an open-response question.

- BE SURE TO ANSWER AND LABEL ALL PARTS OF THE QUESTION.
- Show all your work (diagrams, tables, or computations) in your Student Answer Booklet.
- If you do the work in your head, explain in writing how you did the work.

Write your answer to question 18 in the space provided in your Student Answer Booklet.

18) Ms. Diaz works at a zoo. She created an exhibit with the animals listed in the table below.

Animal Exhibit	
Type of Animal	Number
Elephant	8
Giraffe	12
Rhino	4

a. What fraction of the animals are giraffes? Simplify your answer to lowest terms. Show or explain how you got your answer.

Ms. Diaz plans to add more animals to the exhibit.

- She will add 2 more elephants.
- She will add more giraffes and rhinos so that the ratio of elephants to other animals is the same as before.

b. What is the new total number of animals that will be in the exhibit? Show or explain how you got your answer.







