Activity Answer Table

Name:
Date:

Students will work in pairs on a specific problem. After they finish the problem they may come up and choose another problem to work on. They will continue to do this until they have completed all problems. First team to complete all problems wins!
YOU MUST SHOW ALL WORK TO GET FULL CREDIT!

1)	2) First Problem: Second Problem: Third Problem:	3)
4)	5)	6) A) B)

7)	8)	9) A) B)
10)	11)	12)
13)	14)	15)

Appendix B

Rates, Ratios, and Proportion Problems

Problem 2

1) Which of the following is an equivalent ratio to $\frac{7}{6}$?

   a) $\frac{42}{18}$

   b) $\frac{21}{36}$

   c) $\frac{30}{20}$

   d) $\frac{49}{42}$

2) Which of the following is an equivalent ratio to $\frac{27}{36}$

   a) $\frac{54}{108}$

   b) $\frac{9}{6}$

   c) $\frac{3}{4}$

   d) $\frac{81}{72}$

3) Which of the following is an equivalent ratio to $\frac{64}{72}$?

   a) $\frac{32}{9}$

   b) $\frac{16}{18}$

   c) $\frac{128}{216}$

   d) $\frac{8}{6}$

Problem 1

A carnival game has 3 winners for every 7 losers. Find two ratios equal to the ratio of winners to losers.

A. $\dfrac{14}{6}$, $\dfrac{21}{9}$

B. $\dfrac{6}{14}$, $\dfrac{10}{21}$

C. $\dfrac{7}{14}$, $\dfrac{9}{21}$

D. $\dfrac{6}{14}$, $\dfrac{9}{21}$

Problem 3

What does it mean when two ratios form a proportion?

Problem 4

Monica and Henry shared 35 postcards in the ratio of 3:4. How many fewer postcards did Monica get than Henry?

Problem 5

The ratio of junior varsity members to varsity members on the track team is 3:5. There are 24 members on the team. Write a proportion to find the number of junior varsity members.

$$\frac{3}{5} = \frac{x}{24}$$

Why is this proportion written incorrectly?

Problem 6

A) $\dfrac{-5}{2n} = \dfrac{-8}{3n - 24}$

B) $\dfrac{f + 3}{10} = \dfrac{-20}{4}$

Problem 7

Find the unknown value in the proportion: $(2x + 1) : 2 = (x + 2) : 5$

Problem 8

If twelve inches correspond to 30.48 centimeters, how many centimeters are there in thirty inches?

Problem 9
Compute the following:

A) $\dfrac{g+3}{5} = \dfrac{7}{4}$

B) $\dfrac{2}{4} = \dfrac{8x+2}{5}$

Problem 10

Convert 714,286 trees per day to trees per hour

Problem 11
Convert 65 kilometers per hour to meters per minute. **NOTE**: 1 kilometer = 1000 meters

Problem 12
Convert 50 miles per hour to feet per minute. **NOTE**: 1 mile= 5280 feet

Problem 13
Convert 75 beats per min to beats per seconds.

Problem 14
Jasmine bought 32 kiwis fruit for $16. How many kiwis can Lisa buy if she has $4?

If   32   = $16.00.   How many kiwis is $4.00

Problem 15

The currency in Argentina is the Peso. The exchange rate is approximately $3 = 1 Peso. At this rate, how many Pesos would you get if you exchanged $121.10? **ROUND YOUR ANSWER TO THE NEAREST TENTH!**