Ratio, Proportion and Percent Board Game

Ratio

Proportion

%

I Did IT!!!
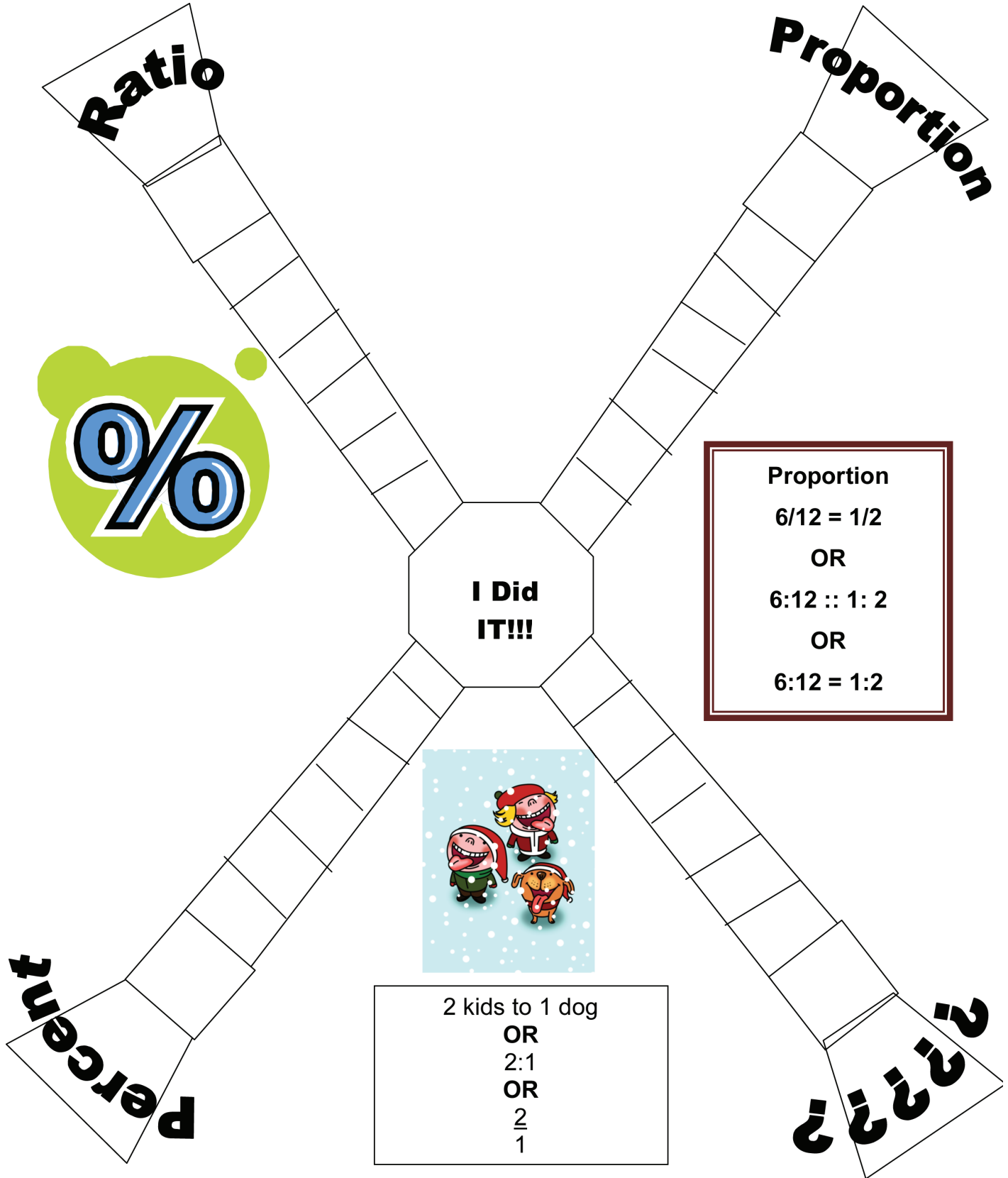
Proportion

6/12 = 1/2

OR

6:12 :: 1: 2

OR

6:12 = 1:2

2 kids to 1 dog
OR
2:1
OR
2
1

Percent

¿¿¿?¿?

1. What is the ratio of circle to stars?

☆☆ | | |
○○○○

2. What is the ratio of stars to all shapes?

☆☆ | | |
○○○○

3. What is the ratio of lines to circles?

☆☆ | | |
○○○○

4. A television screen is 25 cm long and 15 cm wide. What is the ratio of length to width?

5. A television screen is 25 cm long and 15 cm wide. What is the ratio of width to length?

6. A class has 25 students. Fifteen are boys. What is the ratio of girls to boys?

7. A class has 25 students. Fifteen are boys. What is the ratio of boys to all students?

8. $\dfrac{14}{n} = \dfrac{7}{4}$

What does n equal?

9. A cookie recipe for 60 cookies calls for 4 cups of flour. How much flour is needed to make 90 cookies?

Write the proportion that shows this.

BONUS: Solve the problem

10. A school has 240 boys in it. The ration of boys to girls is 6 to 5. How many girls are in the school?

Write the proportion that solves this.

BONUS: Solve the problem

11. In a **unit rate** the second term or the denominator is always _____.

   a. 1
   b. 2
   c. 5
   d. 100

12. A car traveled 200 miles on 10 gallons of gas (miles per gallon). What is the unit rate?

   a. 200/10
   b. 10/200
   c. 20/1
   d. 1/20

13. Your teacher typed 180 words in 4 minutes. (words per minute). What is the unit rate?

   a. 140/4
   b. 4/180
   c. 45/1
   d. 1/45

14. Write the ratio of 78 out of 780.

   a. 78/780
   b. 780/78
   c. 1/10
   d. 10/1

15. Your mom cooked 6 eggs for every 2 people. She cooked 18 eggs. How many people. Write the proportion.

   BONUS: If you solve it too.

16. Write the proportion.

12"   9"
      6"
x

17. Write the proportion.

15"   x
20"   12"

18. What's the percent? 1 to 100

   a. 1%
   b. 2%
   c. 5%
   d. 100%

19. What's the percent? 75/100

   a. 3/4
   b. 30%
   c. 75%
   d. 100%

20. You tossed a coin 100 times. 45 times it was heads. What's the percent of tails?

   a. 45%
   b. 55%
   c. 45/100
   d. 9/20

Answers to Ratio, Proportion and Percent Question Set

1. 4/2 = 2/1

2. 2/9

3. 3/4

4. 25/15 = 5/3

5. 15/25 = 3/5

6. 10/15 = 2/3

7. 15/25 = 3/5

8. n = 8

9. 60/4 = 90/n Answer is n = 6 cups of flour (Proportion set up could vary)

10. 6/5 = 240/n Answer is n = 200 (Proportion set up could vary)

11. a. 1

12. c. 20/1

13. c. 45/1

14. 78/780 = 1/10

15. 6/2 = 18/x Answer is x = 6 people (Proportion set up could vary)

16. 12/x = 9/6 Answer is x = 8″ (Proportion set up could vary)

17. 15/20 = x/12 Answer is x = 9″ (Proportion set up could vary)

18. a. 1%

19. c. 75%

20. b. 55%