Grade 6 Math NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
Unit 8 Review

1A) What is the ratio of balloon dogs to real dogs?

In numbers: \_\_\_\_\_\_\_\_\_\_

In words: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1B) What is the ratio of real dogs to balloon dogs?

In numbers: \_\_\_\_\_\_\_\_\_\_

In words: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1C) What is the ratio of balloon dogs to all dogs?

In numbers: \_\_\_\_\_\_\_\_\_\_

In words: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



2) Make a drawing to represent the following ratios.

A) 4:3

|  |
| --- |
|  |

B) 5:2

|  |
| --- |
|  |

3) Determine whether or not the following ratios are equivalent to one another. Write “equivalent” or “not equivalent” on the line.

A) 2:3 and 4:6 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B) 3:1 and 6:3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

C) 2:5 and 6:15 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

D) 4:3 and 8:5 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

E) 1:7 and 2:12 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) Make an equivalent ratio for the following ratios.

A) 2:5 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B) 5:3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

C) 7:4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) Express the following ratios as fractions.

|  |  |
| --- | --- |
| 2:5 |  |
| 5:3 |  |
| 1:7 |  |

6) Express the following fractions as ratios.

|  |  |
| --- | --- |
| $$\frac{3}{4}$$ |  |
| $$\frac{4}{5}$$ |  |
| $$\frac{9}{5}$$ |  |

7) Complete the chart below.

|  |  |  |  |
| --- | --- | --- | --- |
| Fraction | Ratio | Percentage | Decimal |
| $$\frac{8}{100}$$ |  |  |  |
|  | 27:100 |  |  |
|  |  | 90% |  |
|  |  |  | .59 |

8) Place the following sets of numbers on the number line.

A)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| .7 | $$\frac{29}{100}$$ | 7:100 | 150:100 | 88% |



9) Students at Hazelwood Elementary raised $500 for the band program. Mr. Burry decides to spend 40% on new instruments, 35% on a new sheet music and 25% on a fancy new conductor’s baton. How much money was spent on each?

|  |
| --- |
|  |

10) Ms. Sinnott and Ms. Ward are bring 25 bags of groceries for the Breakfast Club into the school. If Ms. Sinnott brings in $\frac{6}{10}$ of the groceries, how many bags did she bring in?

|  |
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|  |