6th Math Sept. 2

NAME:_____

1. Which group contains ratios that are all equivalent to $\frac{3}{5}$?

   [A] $\frac{6}{10}, \frac{9}{15}, \frac{12}{20}$ [B] $\frac{4}{5}, \frac{8}{10}, \frac{12}{15}$

   [C] $\frac{4}{5}, \frac{5}{5}, \frac{6}{5}$ [D] $\frac{3}{6}, \frac{3}{7}, \frac{3}{8}$

2. Which of the following pairs of ratios does NOT form a proportion?

   [A] $\frac{2}{7}, \frac{8}{28}$ [B] $\frac{36}{30}, \frac{7}{6}$

   [C] $\frac{27}{9}, \frac{12}{4}$ [D] $\frac{52}{13}, \frac{4}{1}$

3. Find n in this proportion and give another ratio that equals $\frac{12}{13}$: $\frac{12}{13} = \frac{42}{n}$.

4. Write three equal ratios for the ratio 2 : 14.

5. The Spring Valley Flyers had a record of 45 wins and 35 losses. What was the ratio of wins to losses?

   [A] 7 to 9   [B] 4 to 5

   [C] 5 to 4   [D] 9 to 7

6. A history class consists of 11 boys and 13 girls. Find the ratio of girls to the entire class.

   [A] $\frac{11}{13}$ [B] $\frac{13}{11}$ [C] $\frac{13}{24}$ [D] $\frac{11}{24}$

7. Emma studies dance 3 days a week and practices soccer 5 days a week. Which ratio equals the number of dance days to soccer days over a 3-week period?

   [A] 9:15   [B] 12:15

   [C] 6:15   [D] 15:15

8. The scale model of a building that is actually 1,521 ft tall is 13 inches. Which of the following ratios represents the scale?

   [A] 1 in.:117 ft   [B] $1\frac{1}{2}$ in.:85 ft

   [C] 2 in.:70 ft   [D] 1 in.:119 ft

9. A map has a scale of 3 cm : 6 km. If two cities are 16 cm apart on the map, what is the actual distance between the cities, to the nearest tenth of a kilometer?

   [A] 320 km   [B] 80 km

   [C] 32 km   [D] 8 km

10. A map has a scale of 1:2,400,000. If two cities are 8 cm apart on the map, what is the actual distance between the two cities?

   [A] 192 km   [B] 0.3 km

   [C] 3 km   [D] 1920 km