CHAPTER 5 PRACTICE TEST

Write the ratio. Explain what the ratio means.

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| Macintosh HD:Users:paulbrown:Desktop:Screen Shot 2017-11-12 at 4.07.38 PM.png1. golf balls to golf tees | 2. apples to pearsMacintosh HD:Users:paulbrown:Desktop:Screen Shot 2017-11-12 at 4.07.45 PM.png |

Find the missing values in the ratio table. Then write the equivalent ratios.

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| Macintosh HD:Users:paulbrown:Desktop:Screen Shot 2017-11-12 at 4.11.26 PM.png3.  | Macintosh HD:Users:paulbrown:Desktop:Screen Shot 2017-11-12 at 4.11.20 PM.png4.  |

Write a unit rate for the situation.

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| 5. 12 goals in 3 hours | 6. 1200 calories in 3 liters |

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| 7. You spend 90 minutes practicing flip tricks and slides on your skate board. The ratio of time spent on flip tricks to time spent on slides is 7: 8. How much time do you spend practicing slides? |

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| 8. You receive 9 text messages in 12 minutes. What is the rate of text messages per hour? |

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| 9. Runner A completes 12 laps around a track in 22 minutes. Runner B completes 8 laps in 15 minutes. Which runner had a greater average speed? Explain. |
| 10. Determine which is the better buy.Macintosh HD:Users:paulbrown:Desktop:Screen Shot 2017-11-12 at 6.24.15 PM.png | 11. Determine which car gets the better gas mileage.Macintosh HD:Users:paulbrown:Desktop:Screen Shot 2017-11-12 at 6.25.35 PM.png |

Write the percent as a fraction or mixed number in simplest form.

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| 12. 18% | 13. 175% |

Write the fraction or mixed number as a percent.

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| 14. $1\frac{3}{5}$ | 15. $ \frac{6}{25}$ |

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| 16. 11 is what percent of 40? |

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| 17. What is 20% of 90? | 18. What is 140% of 15? |

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| 19. 25% of what number is 15? | 20. 70% of what number is 105? |

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| 21. For a class trip, the teachers would like to have one adult for every 10 students. There are 190 students on the trip. How many adults should go on the trip? |

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| 22. An alligator can run at a speed of 13 feet per second on land. At this rate, how far can it run in 3 seconds.? |
| 23. Four out of every five visitors at an amusement park by day passes. What percent of the visitors buy day passes? |

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| 24. On a school bus, 22 of the 40 students are in window seats. What fraction of the students are in window seats? |

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| 25. You family drives 126 miles from Key West to the Florida mainland. About 15% of the this distance is spent on bridges. How many miles of bridges do you travel over? |