

Math 7A Chapter-5 Take Home Quiz

Express each ratio as a fraction in simplest form.

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|-------------------------------|----------|
| 1. \$32 for 10 tickets | 1. _____ |
| 2. 450 miles in 6 hours | 2. _____ |
| 3. 65 contestants in 5 events | 3. _____ |

Simplify. Show your answer as a fraction or mixed number (no calculator)

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| 4. $\frac{\frac{1}{4}}{6}$ | 4. _____ |
| 5. $\frac{\frac{1}{5}}{\frac{1}{7}}$ | 5. _____ |
| 6. $\frac{\frac{24}{6}}{9}$ | 6. _____ |

Complete each conversion. Round to the nearest hundredth.

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| 7. 19 in. \approx _____ cm (1 inch = 2.54 cm) | 7. _____ |
| 8. 9 qt \approx _____ L (1 quart = 0.946 Liter) | 8. _____ |
| 9. 6 mi = _____ ft (1 mile = 5280 feet) | 9. _____ |
| 10. Which is less expensive per ounce, 16 ounces of Colby cheese for \$7.75 or 24 ounces of American cheese for \$10.25? Explain. | 10. _____ |
| 11. The cost for $2\frac{1}{4}$ pounds of meat is \$7.20. What is the constant of proportionality? | 11. _____ |
| 12. Write an equation for problem number 11 relating the cost to number of pounds. | 12. _____ |
| 13. Ava drove 210 miles in 3.5 hours. At this same rate, how far will she drive in 6 hours? | 13. _____ |
| 14. Is the set of numbers in the table proportional? If the relationship is proportional, identify the constant of proportionality. | 14. _____ |

Checks Written	3	6	9	12
Bank Fee (\$)	3.75	7.50	11.25	15.00