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| 1. Brandon enters bike races. He bikes $8\frac{1}{2 }$ miles every $\frac{1}{2} $hour. Complete the table to find how far Brandon bikes for each time interval.

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| --- | --- | --- | --- | --- |
| Distance(mi) |  |  |  |  |
| Time (h) | 1/2 | 1 | 1 ½  | 2 |

 | 2. Simplify the complex fraction:$$\frac{^{3}/\_{4}}{^{2}/\_{3}}$$ |
| 3. Simplify the complex fraction:$$\frac{^{1}/\_{2}}{^{5}/\_{8}}$$ | 4. Simplify the complex fraction:$$\frac{^{4}/\_{5}}{^{2}/\_{3}}$$ |
| 5. Simplify the complex fraction:$$\frac{^{6}/\_{7}}{^{1}/\_{7}}$$ | 6. Find the unit rate:Julio walks 3 ½ miles is 1 ¼ hours |
| 7. Find the unit rate:Kenny reads 5/8 of a page in 2/3 of a minutes | 8. Find the unit rate:Marcia uses ¾ cup of sugar for ½ of the recipe |
| 9. Find the unit rate:Sandra tiles 5/4 square yards in 1/3 hours | 10. On Call Talk Time3.5 hours: $10 1/2 hour: $1.25The information for two cell phone companies is shown above. What is the unit rate for On Call? |
| 11. On Call Talk Time3.5 hours: $10 1/2 hour: $1.25The information for two cell phone companies is shown above. What is the unit rate for Talk Time? | 12.On Call Talk Time3.5 hours: $10 1/2 hour: $1.25The information for two cell phone companies is shown above. Which company offers the best deal? |
| 13. A cell phone company offers a rate of $0.05 per minute. What is this rate in cost per hour? | 14. It takes 3/5 of a gallon of paint to cover 2/3 of a wall. How many gallons is this per wall? |
| 15. To make the perfect orange color, Hector mixes 2/3 quarts of red paint with ¼ quart of yellow paint. How much red paint is used per quart of yellow paint? | 16. On a map, ½ inch represents 50 miles. How many miles per inch are represented on the map? |
| 17. Heather uses ¾ cup gingerale per ½ cup cranberry juice to make punch. How much gingerale is this per cup of cranberry juice? | 18. On a map, 1/8 inch represents 10 miles. What is the scale of the map in miles per inch? |
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| 19. Caroline drove 350 miles to her grandmother’s house. The trip took her 5 ¼ hours. What was her average speed in miles per hour? | 20. A small airplane used 5 2/3 gallons of fuel to fly a 2 hour trip. How many gallons were used each hour? |
| 21. Madison wants to make cookies for her little sister’s birthday party. She is cutting a roll of cookie dough into pieces that are ½ inch thick. If the roll is 13 inches long, how many cookies can she make? | 22. Anita is making a curtain to surround a table. She bought 3 ¼ yards of fabric. Her total cost was $13. What was the cost per yard? |
| 23. Russell runs 9/10 mile in 5 minutes. How many miles does he run in one minute? | 24. The Franklins have a home loan with an interest rate of 4 ¼ %. Write the percent as a fraction in simplest form. |