



Worksheet 3.5 UNIT RATE STORY QUESTIONS

Unit Rate Questions (Chart Questions)

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Provide full solutions for the following story questions.

1. Linda has \$43 in loonies and toonies. If she has 32 coins altogether, how many of each does she have?
2. At a carnival shooting gallery you get five points for hitting a destroyer and three points for hitting a submarine. Dawn scored 36 points with 10 hits. How many submarines did she hit?
3. Sam has \$10.65 made up of dimes and quarters. If there are 54 coins in all, how many dimes are there?
4. On a particular evening, twice as many students as adults go to a show. Student tickets costs \$4 and adult tickets cost \$6.50. If ticket sales are \$667, how many students and adults go to the show?
5. A grocery store is making up a mixture of cranberries and yogurt-covered raisins that costs \$6/kg. If the cranberries cost \$4/kg and the yogurt-covered raisins cost \$9/kg, how much of each kind are needed to make up a 15 kg mixture?
6. Hard candy is \$2/kg and soft candy is \$4/kg. How many kilograms of each candy must be mixed to obtain 60 kg of candy that would be worth \$2.50/kg?

Answers:

1. 21 loonies and 11 toonies 2. 3 destroyers and 7 submarines 3. 19 dimes 4. 46 adults and 92 students
5. 6 kg of yogurt-covered raisins and 9 kg of cranberries 6. 45 hard candies and 15 soft candies