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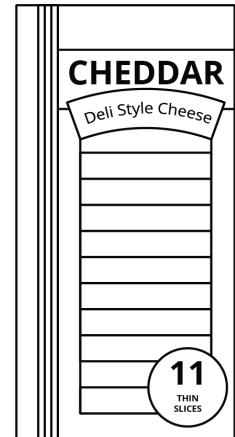
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Unit 3, Lesson 9: Solving Rate Problems

1. This package of sliced cheese costs \$2.97.

How much would a package with 18 slices cost at the same price per slice? Explain or show your reasoning.



2. A copy machine can print 480 copies every 4 minutes. For each question, explain or show your reasoning.

- a. How many copies can it print in 10 minutes? b. A teacher printed 720 copies. How long did it take to print?

3. Order these objects from heaviest to lightest. (Note: 1 pound = 16 ounces, 1 kilogram \approx 2.2 pounds, and 1 ton = 2,000 pounds)

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item	weight
school bus	9 tons
horse	1,100 pounds
elephant	5,500 kilograms
grand piano	15,840 ounces

4. Andre sometimes mows lawns on the weekend to make extra money. Two weeks ago, he mowed a neighbor's lawn for $\frac{1}{2}$ hour and earned \$10. Last week, he mowed his uncle's lawn for $\frac{3}{2}$ hours and earned \$30. This week, he mowed the lawn of a community center for 2 hours and earned \$30.

Which jobs paid better than others? Explain your reasoning.

(from Unit 3, Lesson 5)

5. Calculate and express your answer in decimal form.

a. $\frac{1}{2} \cdot 17$

a. $(0.2) \cdot 40$

b. $\frac{3}{4} \cdot 200$

b. $(0.25) \cdot 60$

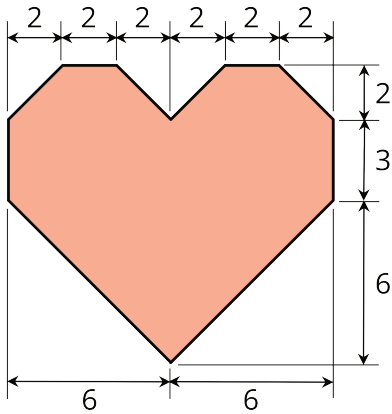
(from Unit 3, Lesson 1)

6. a. Decompose this polygon so that its area can be calculated. All measurements are in centimeters.

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(from Unit 1, Lesson 11)

b. Calculate its area. Organize your work so that it can be followed by others.