## Unit 4 Lesson 9 Cumulative Practice Problems

1. The student government snack shop sold 32 items this week. For each snack type, what percentage of all snacks sold were of that type?

|  |  |
| --- | --- |
| * snack type
 | * number of items sold
 |
| * fruit cup
 | * 8
 |
| * veggie sticks
 | * 6
 |
| * chips
 | * 14
 |
| * water
 | * 4
 |

1. Select **all** the options that have the same value as $3\frac{1}{2}\%$ of 20.
	1. 3.5% of 20
	2. $3\frac{1}{2}⋅20$
	3. $(0.35)⋅20$
	4. $(0.035)⋅20$
	5. 7% of 10
2. 22% of 65 is 14.3. What is 22.6% of 65? Explain your reasoning.
3. A bakery used 30% more sugar this month than last month. If the bakery used 560 kilograms of sugar last month, how much did it use this month?
* (From Unit 4, Lesson 7.)
1. Match each situation to a diagram. The diagrams can be used more than once.
* 
	1. The amount of apples this year decreased by 15% compared with last year's amount.
	2. The amount of pears this year is 85% of last year's amount.
	3. The amount of cherries this year increased by 15% compared with last year's amount.
	4. The amount of oranges this year is 115% of last year's amount.
	5. Diagram A
	6. Diagram B
* (From Unit 4, Lesson 6.)
1. A certain type of car has room for 4 passengers.
	1. Write an equation relating the number of cars ($n$) to the number of passengers ($p$).
	2. How many passengers could fit in 78 cars?
	3. How many cars would be needed to fit 78 passengers?
* (From Unit 2, Lesson 6.)



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