## Unit 3 Lesson 15 Cumulative Practice Problems

* 1. To find 40% of 75, Priya calculates $\frac{2}{5}⋅75$. Does her calculation give the correct value for 40% of 75? Explain or show how you know.
	2. If $x$ represents a number, does $\frac{2}{5}⋅x$ always represent 40% of that number? Explain your reasoning.
1. Han spent 75 minutes practicing the piano over the weekend. For each question, explain or show your reasoning.
	1. Priya practiced the violin for 152% as much time as Han practiced the piano. How long did she practice?
	2. Tyler practiced the clarinet for 64% as much time as Han practiced the piano. How long did he practice?
2. Last Sunday 1,575 people visited the amusement park. 56% of the visitors were adults, 16% were teenagers, and 28% were children ages 12 and under. Find the number of adults, teenagers, and children that visited the park.
3. Order from greatest to least:
	* 55% of 180
	* 300% of 26
	* 12% of 700
4. Complete each statement.
	* 20% of 60 is \_\_\_\_\_\_\_\_
	* 25% of \_\_\_\_\_\_\_\_ is 6
	* \_\_\_\_\_\_\_\_% of 100 is 14
	* 50% of 90 is \_\_\_\_\_\_\_\_
	* 10% of \_\_\_\_\_\_\_\_ is 7
	* 30% of 70 is \_\_\_\_\_\_\_\_
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* (From Unit 3, Lesson 14.)
1. A shopper needs 24 sandwich rolls. The store sells identical rolls in 2 differently sized packages. They sell a six-pack for $5.28 and a four-pack for $3.40. Should the shopper buy 4 six-packs or 6 four-packs? Explain your reasoning.
* (From Unit 3, Lesson 9.)
1. On a field trip, there are 3 chaperones for every 20 students. There are 92 people on the trip. Answer these questions. If you get stuck, consider using a tape diagram.
	1. How many chaperones are there?
	2. How many children are there?
* (From Unit 2, Lesson 15.)



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