Examining Percent Increase and Decrease

Solve each problem.			Answers
1)	It used to take Maria 9 minutes to do 20 multiplication problems. Now she can do the same page in 11.34 minutes. She is now percent faster.	1	
		2.	
2)	A store sold 15 dollars worth of gift cards in October. The next month the goal was to sell \$19.5 worth of gift cards. This is an increase of percent.	3.	
3)	Normally a game costs \$40. But the new special edition version is going to be \$44.8. This is an increase of percent.	4. 5.	
		-	
4)	Last year a fishing license cost \$53. This year the license will cost \$33.92. This is a	6.	
	percent decrease.	7.	
		8.	
5)	Last years phone model had a battery that lasted 14 hours. This year the battery only last for 10.36 hours. What was the percent the battery life decreased?	9.	
		10.	
6)	A small fruit smoothie is 24 ounces while a large fruit smoothie is 29.76 ounces. The large fruit smoothie is% larger.	10.	
7)	At a restaurant the bill came to \$87. If you leave \$121.8, what percent tip is that?		
8)	A pole was supposed to be 15 meters long, but it was accidentally made 17.4 meters long. The pole is percent longer than it needs to be.		
9)	Janet bought a computer for \$177.52. Cody bought one for \$317. Janet's computer was percent cheaper.		
10)	Olivia's family decided to get rid of their cable TV. Originally they were paying \$98 for the TV, internet and phone, but now they're paying \$70.56. What was the percent the bill decreased by?		

Math

	Examining Percent Increase and Decrease Name: An	iswer Key
Solv	e each problem.	Answers
1)	It used to take Maria 9 minutes to do 20 multiplication problems. Now she can do the same page in 11.34 minutes. She is now percent faster.	1. <u>26</u>
2)	A store sold 15 dollars worth of gift cards in October. The next month the goal was to sell	2. <u>30</u>
	\$19.5 worth of gift cards. This is an increase of percent.	3. <u>12</u> 4. <u>36</u>
3)	Normally a game costs \$40. But the new special edition version is going to be \$44.8. This is an increase of percent.	5. <u>26</u>
4)	Last year a fishing license cost \$53. This year the license will cost \$33.92. This is a percent decrease.	6. <u>24</u> 7. <u>40</u>
5)	Last years phone model had a battery that lasted 14 hours. This year the battery only last for 10.36 hours. What was the percent the battery life decreased?	8. <u>16</u> 9. <u>44</u>
6)	A small fruit smoothie is 24 ounces while a large fruit smoothie is 29.76 ounces. The large fruit smoothie is% larger.	10. 28
7)	At a restaurant the bill came to \$87. If you leave \$121.8, what percent tip is that?	
8)	A pole was supposed to be 15 meters long, but it was accidentally made 17.4 meters long. The pole is percent longer than it needs to be.	
9)	Janet bought a computer for \$177.52. Cody bought one for \$317. Janet's computer was percent cheaper.	
10)	Olivia's family decided to get rid of their cable TV. Originally they were paying \$98 for the TV, internet and phone, but now they're paying \$70.56. What was the percent the bill decreased by?	

Math

		Examining Pe	rcent Increase a	nd Decrease	Name:	
Solv	e each problem					Answers
\bigcap	12	24	26	28	44	
	40	30	16	36	26	1
1)		Maria 9 minutes to 1.34 minutes. She	-	-	she can do the	2
2)		dollars worth of g gift cards. This is a			the goal was to sell	4
3)		me costs \$40. But t of percent.	he new special edit	tion version is goir	ng to be \$44.8. This	6
4)	Last year a fish percent decreas	ning license cost \$5 se.	3. This year the lic	ense will cost \$33	.92. This is a	7.
5)	• 1	ne model had a bat s. What was the per	•	•	e battery only last	9 10
6)		moothie is 24 ounce is% larger.	es while a large fru	iit smoothie is 29.7	6 ounces. The large	
7)	At a restaurant	the bill came to \$8	7. If you leave \$12	21.8, what percent	tip is that?	
8)		pposed to be 15 me percent longer	-	•	le 17.4 meters long.	
9)	Janet bought a percent	computer for \$177 cheaper.	.52. Cody bought o	one for \$317. Janet	's computer was	
10)	•	decided to get rid et and phone, but no			1	