

More Rules with Sharing Machines

NCTM Standards 1, 2, 6, 7, 8, 9, 10

Complete the price chart for items at the class store.

		NUMBER PURCHASED				
		1	2	3	4	5
1	Erasers at _____ ¢ each	2¢	4¢	6¢	¢	¢
2	Pencils at _____ ¢ each	¢	6¢	9¢		
3	Pads at _____ ¢ each	5¢		15¢		
4	Notebooks at _____ ¢ each			24¢	32¢	
5	Paper clips at _____ ¢ each		14¢	21¢		
6	Markers at _____ ¢ each				40¢	
7	Pens at _____ ¢ each		30¢		60¢	
8	Rulers at _____ ¢ each	¢	\$1.00	\$	\$2.00	\$



- 9 Which two items cost the same as one notebook? Use pictures, numbers, or words to explain how you can use this information to find the cost of different numbers of notebooks.

Solve.

- 10 Shauna bought 42 tickets for the fair. Each ride costs 6 tickets. How many rides can she go on?

_____ rides

- 11 Ken bought 50 tickets for the fair. Each ride costs 6 tickets. How many rides can he go on?

_____ rides

- 12 Marina is baking cupcakes for a party. She wants to make as many cupcakes as possible. The recipe calls for 2 eggs for every 3 cups of flour. If Marina uses a whole bag of flour that contains 9 cups, how many eggs will she need?

_____ eggs

- 13 Pete finished a 42-page book in 6 days by reading the same number of pages every day. Next, he will read a book that is 35 pages long. If Pete keeps reading the same number of pages every day, how many days will it take Pete to finish this book?

_____ days

- 14 **Challenge** A certain card game, with its own special deck, requires that all players start with an equal number of cards. Players must share all the cards in the deck. This game can be played by 2, 4, or 5 players. There are fewer than 30 cards in this special deck. How many cards are there?

_____ cards