

First Name:	Last Name:	Grade:
Teacher:	Parent's email:	

Grocery Shopping

	Kinder & First Grade: solve <u>at least</u> 3 problems. Second & Third Grade: solve <u>at least</u> 7 problems. Fourth Grade and above: solve <u>at least</u> 12 problems. 75_{ϕ} 35_{ϕ}	3.25
Use	the above information to solve question number 1 to 9.	Answer
1.	Timothy bought 2 oranges, two kiwis and a papaya. How many pieces of fruit did Timothy buy?	5
2.	Lisa bought two pieces of each type of fruits that are on sale. How many pieces of fruit did she buy in total?	14
3.	Tina has only one dollar. She wants to buy one piece of fruit. How many fruits that cost less than \$1? 4 fruits (an orange, a banana, a kiwi, and a peach)	4
4.	With her \$1, Tina realizes that she can buy two different fruits. What are they? A banana and a kiwi	A banana and a kiwi
5.	Anita bought 2 piece of fruit from the store. It cost her \$1.30. Which two items could she have bought? List the two possibilities. An orange and a kiwi, or a banana and a peach	An orange and a kiwi, or a banana and a peach
6.	What is the largest number of different fruits can you buy with a \$5 bill? 5 fruits (an orange, a banana, a kiwi, a peach, and an avocado) 0.75 + 0.35 + 1.65 + 0.55 + 0.95 = \$4.25	5 [fruits]
7.	 The Danson family (Mom, Dad, Tim and Sarah) each picked a fruit to buy from the store. The family bought bananas, oranges, peaches and papayas. Mom did not get the cheapest fruit. Dad loves fruits that are juicy. Tim likes the one that cost about a dollar. Everyday, Sarah brings one of the fruits she picked to school. Find out who pick which fruit. Tim likes peaches (\$0.95), Dad likes oranges (juicy), Sarah picks bananas, and mom picks papayas 	Mom: Papayas Dad: Oranges Tim: Peaches Sarah: bananas
8.	What is the largest number of fruits can you buy with a \$5 bill? 500 ÷ 35 = 14 bananas	14 [bananas]



15.	For a fundraising, the math club held a donut sale. All profits will go to the local charity. They bought 10 dozen of donuts at a discounted price of \$5.55 per dozen. They plan to sell each donut after school at \$1.50 apiece. If they sell 90% of the donuts, how much money will they donate to the local charity? The cost for purchasing the 10 dozen (or 120) of donuts: $$5.55 \times 10 = 55.50 90% of the donuts: $90/100 \times 120 = 108$ The money received from selling the donuts: $108 \times $1.50 = 162 . The amount of money they will donate: $$162 - $55.50 = 106.50	\$106.50
16.	A store offers a 50% discount on a package of steak that is normally priced for \$29. The sales tax is 7.25%. What does the package of steak cost, including tax? The amount of discount = $$29 \times 50/100 = 14.50 . Discounted price = $$29 - $14.50 = 14.50 . Sales tax = $$14.50 \times 7.25/100 = 1.05 . Total cost = $$14.50 + $1.05 = 15.55 .	\$15.55
17.	You have a coupon worth \$18 off the purchase of a new microwave. At the same time the microwave is offered with a discount of 15%, but no further discounts may be applied. What would be the full price of the microwave if you end up paying the same amount for each discount? One way is to compare by drawing a model: \$18 discount: Sale price \$18 15% discount: Sale price (85%) 15% The sale tag must be 85% of the full price and 15% of the price must equal to \$18. 0.15 x full price = \$18. The full price of the microwave is $$18 \div 0.15 = 120 Or The full price of the microwave is 100%, discount of \$18 is the same as 5%, which means \$6 is 5%, thus \$6x20 = \$120 (or 100%)	\$120
18.	Last week, Mrs. Lanvin bought a package of paper towels on sale at 5.98. This week the same package of paper towels is no longer on sale and it is priced at \$7.95. What was the discount rate in percent last week? Round your answer to the nearest hundredths. $Discount rate = \frac{regular\$ - discounted\$}{regular\$} \times 100\%$ The difference in price: \$7.95 - \$5.98 = \$1.97 In percent: \$1.97/7.95 = 0.2477987421 ≈ 24.78%	24.78%

Solution is available on November 20, 2020 at <u>www.mathinaction.org</u>