

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

Fall Season

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.

		Answer
1.	Emma is collecting colorful leaves during the fall. On Monday, she collects 7 red leaves, 4 orange leaves, and 3 yellow leaves. How many leaves did Emma collect in total? 7+4+3 = 14	14 [leaves]
2.	 a. If she has 10 pumpkins, what is the greatest number of groups of 3 can she create? 3 b. How many pumpkins will be left over? 1 	a. 3 b. 1
3.	9 + 4 + 7 = 20	20
4.	Notice that even though the farmer has 5 rows of corn, he only harvests 3 rows of them. So, since each row yields 15 pounds of corn, he harvests 15 + 15 + 15 = 45 pounds of corn.	45 [pounds]
5.	The number of apples they collect: 14 + 21 = 35 apples. The number of apples they give away and use: 16 + 8 = 24 apples. The number of apples they have left: 35 – 24 = 11 apples.	11 [apples]
6.	To bake 7 pies, she needs $7 \times 3 = 21$ cups of pumpkin puree. Since she has 5 cups already, she needs $21 - 5 = 16$ more cups to make all the pies.	16 [cups] or 16 [more cups]
7.	4 + 6 - 7 + 4 - 1 = 6 .	6 th [floor]
8.	The number of cookies she bakes: $24 + 18 = 42$ cookies. The number of cookies she gives away: $(4 \times 8) + 5 = 32 + 5 = 37$ cookies. The number of cookies she has left: $42 - 37 = 5$ cookies.	5 [cookies]
9.	The fraction of the yellow apples: $1 - \frac{3}{4} - \frac{1}{5} = \frac{1}{20}$ $\frac{1}{20}$ of 300 = 15 yellow apples Another way: $\frac{3}{4}$ of 300 = 225 green apples, 1/5 of 300 = 60 red apples. 300 - (225 + 60) = 15 yellow apples	15 [yellow apples]
10.	8 sweet potatoes worth the same as 4 x 3 yams or 12 yams. Since 4 yams equal to 1 pear, 12 yams will equal to 3 pears. 3 pears equal to 2 pumpkins, therefore 8 sweet potatoes equal to 2 pumpkins.	2 [pumpkins]
11.	Cost of pies: $(20 \times \$3) + (5 \times \$50) = \$60 + \$250 = \$310$ The number of pies for selling: 20 apple and $5 \times 12 = 60$ pumpkin The amount of money they collect if they sell out: $\$10 \times (20+60) = \800 Profit to keep: $\$800 - \$310 = \$490$	[\$]490 or [\$]490.00

12.	Roundtrip distance: 120 + 120 = 240 miles. Their car needs 240 ÷ 30 = 8 gallons for the trip. The cost for gas: \$4.95 × 8 gallons = \$39.60	\$39.60
13.	2/3 of 75 pumpkins = 50 pumpkins. 75 – 50 = 25 pumpkins left. 3/5 of 100 apples = 60 apples. $100 - 60 = 40$ apples left. 4/5 of 45 green peppers = 36 green peppers. $45 - 36 = 9$ green peppers left. Total produce left: $25 + 40 + 9 = 74$ Another way: Finding the fraction of leftover items: $(1/3 \times 75)+(2/5 \times 100)+(1/5 \times 45) = 25+40+9 = 74$.	74
14.	Apples: \$0.75 × 90 = \$67.50; pears: \$1.25 × 50 = \$62.50; plums: \$200 – (\$67.50+\$62.50) = \$70.00 The number of plums they sell: \$70 ÷ \$0.50 = 140 plums .	140 [plums]
15.	The land measures 40 by 60: $40 \times 60 = 2400$ sq feet. The leaves cover $2400 - 1850 = 550$ square ft. Each hour they raked: $550/2.5 = 220$ square feet of leaves.	220 [ft ²] or 220 [sq. feet]
16.	(m + ()))))))))))))))))))	Football: \$16 Helmet: \$28
17.	1 st tree 2 nd tree 4 3 rd tree 4 At the first tree, they picked $(84 - 24) \div 4 = 15$ apples. Since each individual picked the same number of apples, each must have picked $15 \div 3 = 5$ apples. Another way: If each person picked the same amount of apples. It means that each person picked $84/3 = 28$ apples at all three trees. At the third tree one person picked $24/3 = 8$ apples. It means $28 - 8 = 20$ apples were picked by one person at the first and second tree. 1 st tree 40 2 nd tree 42 2 nd tree 43 2 nd tree 5 2 nd tree	5 [apples]
18.	The two-hour trip is divided into thirds, 40 minutes each. Speed is given in miles per hour, 40 minutes = $40/60 = 2/3$ hour Distance = Speed × Time During the first third, they averaged 66 miles every 60 min. $d_1 = (66) \times 2/3$, $d_1 = 44$ miles. During the second third, they averaged 42 miles every 60 min. $d_2 = (42) \times 2/3$, so $d_2 = 28$ miles. During the last third, they averaged 30 miles every 60 min. $d_3 = (30) \times 2/3$, so $d_3 = 20$ miles. Total miles traveled: $44 + 28 + 20 = 92$ miles.	92 [miles]

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