

Grape Juice	Amt.	Mix
10%	5	5(a)
100%	n	ln
40%	5+ln	0.4(5+ln)

$$0.5 + ln = 2 + 0.4n$$

$$-0.5 \quad -0.5$$

$$ln = 1.5 + 0.4n$$

$$-0.4n \quad -0.4n$$

$$\frac{0.6n}{0.6} = \frac{1.5}{0.6}$$

$$n = 2.5$$

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$h = \text{homework}$

$$h + 4(h) = 5h$$

$$\frac{95 + 4(85)}{5} = 87\frac{2}{5}$$

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	# sold	\$	total
adults	21-n	5.50	5.50(21-n)
children	n	3.50	3.50n
total	21		83.50

$$5.50(21-n) + 3.50n = 83.50$$

$$115.5 - 5.50n + 3.50n = 83.50$$

$$-2.00n = -32.00$$

$$\frac{32.00}{2.00} = \frac{2.00n}{2.00}$$

Adults 27.50  
Children 16.00 = n

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	Units	Price	Total
Peanuts	5	4.50	5(4.50)
Chocolate	n	6.50	6.50n
Mix	5+n	5.25	5.25(5+n)

$$5(4.50) + 6.50n = 5.25(5+n)$$

$$22.50 + 6.50n = 26.25 + 5.25n$$

$$-22.50 - 5.25n \quad -22.50 - 5.25n$$

$$1.25n = 3.75$$

$$n = 3$$

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M 210 mi. B

← Casey →

55 mi/hr 65 mi/hr

$$55t + 65t = 210$$

$$120t = 210$$

$$t = 1.75 \text{ hr}$$

65(1.75) = 113.75 mi

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