

Numbers in Retail Discounts

| Sale Pricing



1. A nursery has discounted a range of fruit trees and vines in a clearance sale. Complete the table below by calculating the discount applied for each tree or vine. You may use the space provided below the table to show your work. The first calculation has been done for you as an example.

Fruit tree/vine	Original price (\$)	Sale price (\$)	Discount (%)
Apple	35	24.50	30
Pear	42	31.50	
Plum	27	22.95	
Orange	45	36.00	
Mandarin	48	39.60	
Nectarine	28	21.70	
Peach	30	27.00	
Kumquat	37	31.45	
Lemon	34	28.39	
Passion fruit	32	28.16	

Apple: $35 - 24.50 = 10.50$

$10.50 \div 35 \times 100 = 30\%$

2. a) Proportionally, which type of fruit tree or vine has the largest discount applied?

b) Proportionally, which type of fruit tree or vine has the smallest discount applied?

3. A customer purchased two lemon trees and one pear, nectarine, and plum tree each.

a) How much would he or she have paid if there was no discount, i.e., if all trees were at their original prices? Show your work.

b) How much did the customer actually pay, i.e., with all trees at the discounted prices? Show your work.

c) What was the percentage discount for all five trees combined? Show your work, and round your answer to two decimal places.