

Group 4

Adult Ticket:

- a) Holiday 1 day ticket
- b) Flex Pass mid-week
- c) Season Pass bought between April and October

Ages		Lift Ticket					Flex Pass	Season Pass		
		1 day	2 day	3 day	4 day	5 day	99 up front	Before April	April- October	After October
Adult (Parents)	Midweek ->	68	122	177			34	869	979	1089
	Weekend ->	72	130	187			54			
	Holiday ->	76	137	198	251	304	57			
Young Adult (Me)	1 day						89 up front	429	499	569
	Midweek ->	54	98	141			27			
	Weekend ->	58	104	150			43.5			
	Holiday ->	61	109	158	201	243	45.75			
Junior (Brett & Chase)	1 day						79 up front	329	389	449
	Midweek ->	44	78	113			22			
	Weekend ->	46	83	120			34.5			
	Holiday ->	49	88	126	161	195	36.75			

Write an expression for each situation.

Use algebra to compare the different situations. You will need to compare two at a time.

Make a table for the three situations to check your solutions

Graph the situations and find the point of intersection.

Expressions:

Daily: \_\_\_\_\_ Flex: \_\_\_\_\_ Season: \_\_\_\_\_

Equations and Solutions:

How do the solutions above help you determine which plan to choose?

Be specific and use your solutions in the explanation.



Bonus Questions.

1) A family of three plan to go skiing this winter. They will need two adult tickets and one junior ticket.

a) If they want to buy a one day pass for each family member and ski on the weekends for  $d$  days, how much will they need to pay? \_\_\_\_\_

b) If they decide to buy flex passes for each family member to ski on the weekends for  $d$  days, how much will they need to pay? \_\_\_\_\_

c) Which plan is a better option? Explain your thinking. \_\_\_\_\_

2) A family of four plan to go skiing this winter. They will need two adult tickets, one young adult ticket, and one junior ticket.

a) If they want to buy a one day pass for each family member and ski on the holidays for  $d$  days, how much will they need to pay? \_\_\_\_\_

b) If they decide to buy flex passes for each family member to ski on the holidays for  $d$  days, how much will they need to pay? \_\_\_\_\_

c) Which plan is a better option? Explain your thinking. \_\_\_\_\_

3) A family of five plan to go skiing this winter. They will need two adult tickets, two young adult tickets, and one junior ticket.

a) If they want to buy a one day pass for each family member and ski midweek for  $d$  days, how much will they need to pay? \_\_\_\_\_

b) If they want to buy flex passes for each family member to ski midweek for  $d$  days, how much will they need to pay? \_\_\_\_\_

c) If they plan to buy a season pass after October, how much will they need to pay? \_\_\_\_\_

d) Which plan is a better option? Explain your thinking. \_\_\_\_\_

