

Bellwork Alg 2A 5th hour Wed, Jan 18, 2017

1. You are going to get a Sundae at the ice cream shop. You know that you are going to get one scoop of vanilla and some toppings. The following toppings are available: Hot Fudge, Strawberry, Butterscotch, and Whipped Cream. You can get 1 topping, 2 toppings, 3 toppings, or all 4 toppings.

How many different Sundaes are possible?

#2 is on the back

2. Ted, Ken, Allison, and Janie (two married couples) each have a favorite sport: Running, Swimming, Biking, and Golf. Use the following clues to determine who likes which sport.

- Ted hates golf.
- Ken wouldn't run around the block if he didn't have to and neither would his wife.
- Each woman's favorite is featured in a triathlon.
- Allison bought her husband a new bike for his birthday to use in his favorite sport.

① H = HOT FUDGE S = STRAWBERRY B = BUTTERSCOTCH w = whipped cream

1 topping	2 topping	3 topping	4 topping
H	HS SB BW	HSB SBW	HSBW
S	HB SW	HSW	
B	HW	HBW	
w			
4	6	4	1
	+	+	= 15

15 TOTAL 1, 2, 3, or 4 TOPPING SUNDAY'S

②

married

	Run	Swim	BIKE	GOLF
TED	x	x	O <sup>d</sup>	X <sup>a</sup>
KEN	X <sup>b</sup>	x	x	O
ALLISON	O	X	X <sup>d</sup>	X <sup>c</sup>
JANIE	X	O	<del>X</del>	X <sup>c</sup>

married

TED BIKE'S

KEN GOLF'S

ALLISON RUNS

JANIE SWIMS