Functional Skills

Christmaths Elves

Functional Skills

Christmaths Elves





Each year, the elves go to work...

They start to make the presents.

They have many warehouses, each is responsible for 600 presents.

Each elf has a specific role...

Elf Jobs



Sorters: These look at the lists of presents and decide what will be made.

Designers: These work out how to make each toy.



Makers: These make the toys.

Wrappers: These wrap the toys as presents.

In order to work the elves need to be fed.

They eat cookies.

Each elf eats a different amount of cookies.

Usually those who work harder eat more cookies.



MZ

While the reindeers wait for the presents to be made they get a little bored.

They start to discuss the elves.

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They start to discuss the elves.



Do you fancy a little game? Which elves do you think will do the most Why don't we all choose work this year.

an elf and see who chooses the one who does the most jobs.





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...are going to compete with the reindeers.

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You will be given the elf statistics.



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You will be given the elf statistics.

					🝖 The	Elves "	1. 🔺	obs this year: Same Do More
	Name	Amount of Number of Jobs		Probability for jobs this year:			-	\square
3	Name	Cookies	Last Year	Do Less	Do The Same	Do More		\vdash
	Ashir	30	28	35%	59%	6%		
	Bob	32	37	53%	46%	1%	-La	
1	Chantelle	34	67	30%	34%	36%		39%
3	Dereck	39	66	16%	36%	48%		53%
	Emma	32	20	5%	39%	56%	r jobs this year: ne Same Do More 6%	4%
	Gareth	38	56	36%	18%	46%	19% 1% 46% 36% 34% 45%	
Ĩ.	Helen	35	67	55%	11%	34%	36% 56% 39% 46%	125
1-	Isobelle	32	20	0.4	0.2	0.4	10% 34% 11% 0.4 0.2 0.1	
3	Jackie	32	23	0.5	0.4	0.1	0.4 0.3 0.3 0.5	1 F
	Kim	33	33	0.4	0.3	0.3	0.3 0.4 0.0 0.4	3 F
	Lewis	31	17	0.3	0.1	0.5	$\frac{0.1}{2/3}$ $\frac{1/3}{2/}$	
•	Manthanzo	29	87	0.3	0.3	0.4	2/7 3/	
3	Natasha	35	39	0.4	0.0	0.6	3/10 0	
	Owen	33	60	0.5	0.1	0.4		
	Paul	29	8	2 / 5	2 / 5	1/5		
~	Ronaldo	34	74	2/6	2/6	2/6		
. 1	Sarah	31	29	3/7	2 / 7	2/7		
SAL A	Tracy	28	19	3/8	2 / 8	3/8		
	Vesna	32	80	4/9	5/9	0/9		
	Wayne	36	36	7 / 10	3 / 10	0 / 10		

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	Amount of	Number of Jobs	Proba	bility for jobs this	s year:
	Cookies	Last Year	Do Less	Do The Same	Do More
	30	28	35%	59%	6%
	32	37	53%	46%	1%
_	34	67	30%	34%	36%
	3 4				400/
	39	66	16%	36%	48%
	39 32	66 20	16% 5%	36% 39%	48% 56%

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Name

Ashir

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...the number of cookies they eat...

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	Wayne	36	36	7 / 10	3 / 10	0 / 10

It has their names...



...the number of cookies they eat...

...and the number of jobs they completed last year...

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	Paul	29	8	2/5	2 / 5	1/5
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It has their names...

...the number of cookies they eat...

Probability for jobs this year: Amount of Number of Jobs Name Do Less Do The Same Do More Cookies Last Year 35% 59% Ashir 30 28 6% 32 37 53% 1% Bob 46% 34 67 30% 36% Chantelle 34% 39 66 16% 36% 48% Dereck 32 20 5% 39% 56% Emma 38 56 36% 18% 46% Gareth 35 Helen 67 55% 11% 34% 32 20 0.4 0.2 0.4 Isobelle 32 23 0.5 0.4 0.1 Jackie 33 33 0.4 0.3 0.3 Kim 31 17 0.3 0.1 0.5 Lewis 29 0.3 0.3 0.4 Manthanzo 87 35 39 0.4 0.0 0.6 Natasha 0.5 0.1 0.4 33 60 Owen 29 8 2/5 2/5 Paul 1/534 74 Ronaldo 2/62/6 2/6 31 29 3/7 2/7 2/7 Sarah 28 19 3/8 2/8 3/8 Tracv 32 80 4/9 5/9 0/9 /esna 36 36 7/10 0 / 10 3 / 10 Wavne

...and the number of jobs they completed last year...

...and the probability that they will do less work, the same amount, or more work this year.



Unfortunately some numbers are missing...

... if these were covered how could you work them out?

Name	Amount of Number of Jobs		Probability for jobs this year:			
Name	Cookies	Last Year	Do Less	Do The Same	Do More	
Ashir	30	28		59%	6%	
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Natasha	35	39	0.4		0.6	
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Paul	29	8	2 / 5	2 / 5		
Ronaldo	34	74	2/6		2/6	

Once you have chosen your elf group you need to summarise information about the task and your team on an A3 sheet.

But leave space! (An A6 size sheet) You will be given information on how well each elf actually does and a sheet to fill in for your team.



To help you with your A3 sheet you can fill in these profile cards for your team and glue them on. BILLY 9 SORTER DESIGNER DESIGNER EXAMPLE Profiles Cookies = 32 Cookies = Cookies = Cookies = P(less) = 32% P(less) = P(less) = P(less) =P(same) = 34% P(same) = P(same) = P(same) = P(more) = 34% P(more) = P(more) = P(more) = Elf Team MAKER MAKER WRAPPER WRAPPER Cookies = Cookies = Cookies = Cookies = P(less) = P(less) = P(less) = P(less) = P(same) = P(same) = P(same) = P(same) = P(more) = P(more) = P(more) = P(more) =

We will then compare how each of you have done in the class and see who chose the best elf team.



Summary of Rules

Maximise the number of jobs from your team.

Choose:

- One sorters
- Two designers
- Two makers
- Two wrappers

You have a maximum of 300 cookies to give.

Only choose up to two elves with the same letter at the start of their name