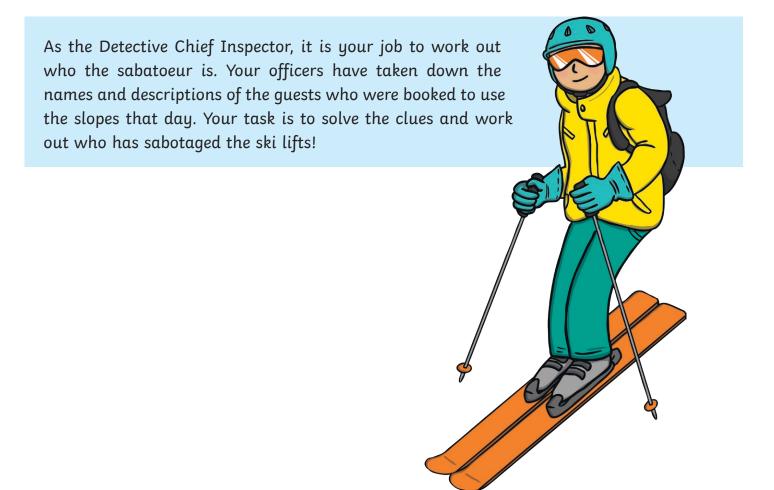
Sabotage at the Ski Resort

The Summit Ski Resort is a very popular destination for ski enthusiasts. Every year, thousands of people swish down the snowy slopes in search of excitement and fun.

This year is no different... but there has been a crime committed! Somebody has sabotaged the cable cars and they have stopped, with skiers suspended in mid-air! After they were all rescued by helicopter, the police have been investigating exactly what happened.







Descriptions of the ski guests at the resort

Name	Male/ Female	Age	Left/ Right handed	Experienced Skier	Height
Amelia Killen-Browne	F	36	R	Y	short
Annabelle Parr	F	19	L	N	tall
Barry Shaw	М	37	L	N	tall
Donna Day	F	39	R	N	tall
Fenella Bentley	F	56	R	Υ	tall
Gavin Winters	М	45	R	N	short
Gurdeep Mehmi	М	23	R	N	short
James Hanson	М	28	L	N	tall
Janice Twist	F	55	R	Υ	short
Jess Farmer	F	24	R	N	short
Keith Leyton	М	50	R	Υ	short
Ken Corder	М	49	R	Y	tall
Larry Peters	М	48	R	N	tall
Lee Barker	М	25	L	N	tall
Linda May	F	47	R	Y	short
Ling Chang	М	28	L	Y	short
Mei Chang	F	27	R	Y	short
Michael Killen-Browne	М	37	R	Υ	tall
Nancy Greene	F	40	R	N	tall
Phil Mahre	М	24	L	N	tall
Ramesh Iqbal	М	32	R	Υ	short
Ray Turnbull	М	47	L	Y	tall
Rosie McClusky	F	27	R	Y	short
Sinead West	F	54	L	Y	short
Teresa Castle	F	48	L	Y	tall
Terry McIntosh	М	48	R	N	tall
Ting Ng	F	44	R	Υ	short
Vern Framble	М	51	R	Υ	tall
Wendy Simpson	F	60	L	Υ	short
Zarah Sharif	F	18	R	N	tall





Work out if the answers below are correct or not. Put a tick or cross in the empty boxes.

Count up the ticks and crosses. If there are more ticks than crosses, the saboteur is female.

42 ÷ 6 = 7	$\frac{3}{4}$ of 120 = 50	
$\frac{2}{5}$ equals 0.60	-8 is greater than -6	
Add 2 to -7 = -4	12 × 8 = 96	
210 ÷ 3 = 50	$\frac{2}{5}$ of 35 = 14	

Clue: The saboteur is M or F. Circle the correct answer.

Clue 2

Identify the Roman numerals below, then circle the corresponding numbers in the table. Re order the words next to those numbers, to make a sentence.

113	34	48	27	99	116
was	not	person	saboteur	because	skier
660	200	1400	55	60	1000
experienced	but	the	didn't	lost	under
450	150	400	70	2000	105
damaged	an	which	left	jump	found

MIII XXVII XXX XLV MCD CL
CXVI CCCL CXIII LVI DCLX XL

Clue: _____





Continue the sequences of equivalent fractions. Then match the last fraction with the words in the box below. Write the words in the correct order to solve this clue.

1 / ₄	\rightarrow	2 8	\rightarrow	\rightarrow	\rightarrow	
<u>2</u> 3	\rightarrow	4 6	\rightarrow	\rightarrow	\rightarrow	
<u>5</u> 8	\rightarrow	1 <u>0</u> 16	\rightarrow	\longrightarrow	\rightarrow	
<u>3</u> 10	\rightarrow	<u>6</u> 20	\rightarrow	\rightarrow	\rightarrow	
4 5	\rightarrow	<u>8</u> 10	\rightarrow	\longrightarrow	\rightarrow	

8	<u>11</u>	10	1 <u>4</u>	1 <u>5</u>
16	88	15	32	50
short	heavy	saboteur	stand	very
1 <u>2</u>	<u>5</u>	1 <u>8</u>	1 <u>3</u>	<u>2</u>
60	20	27	25	
rescue	the	under	found	left
1 <u>0</u>	<u>10</u>	<u>3</u>	2 <u>5</u>	<u>25</u>
40	20		40	30
could	α	near	was	for
2 <u>0</u>	20	<u>24</u>	1/6	<u>17</u>
25	100	80		29
tall	did	stool	drop	ski

Clue:		



5	A	F	K	Р	U
4	В	G	L	Q	V
3	С	н	M	R	W
2	D	I	N	S	Y
1	E	J	K L M N	т	Z
			3		5

Work out the sentence from these coordinates to solve the clue number 4.

Clue:



Use your knowledge of prime numbers to solve this.

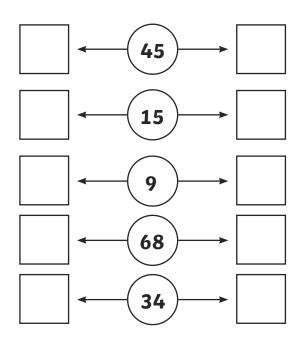
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

First, highlight every prime number to 100.

Then look at the numbers in the circles. Write the nearest prime number lower than the number in the left hand boxes and the nearest prime number higher in the right hand boxes.

Then add each column of boxes up.

If either column adds to exactly 183, the saboteur is left handed.



Clue: The saboteur is left or right handed. Circle the correct word.

Who is the saboteur of the Summit Ski Resort cable cars? _



