Number Sense Bk 2 Levels 2-3

Trimming Trees

You need 🚺 a classmate

Z a photocopy of the tree nursery copymaster

Activity

Hamish's father owns a tree nursery. One Saturday, Hamish's job is to prune some of the trees.

The trees where Hamish is working are set out in rows and are numbered. That part of the nursery is divided into two sections, like this:

1	2	3	4	5	6	7	8	9	10		101	102	103	104	105	106	107	108	109	110
11	12	13	14	15	16	17	18	19	20	NGI	111	112	113	114	115	116	117	118	119	120
21	22	23	24	25	26	27	28	29	30		121	122	123	124	125	126	127	128	129	130
31	32	33	34	35	36	37	38	39	40	2/64	131	132	133	134	135	136	137	138	139	14(
41	42	43	44	45	46	47	48	49	50	102	141	142	143	144	145	146	147	148	149	150
51	52	53	54	55	56	57	58	59	60	Alt I	151	152	153	154	155	156	157	158	159	160
61	62	63	64	65	66	67	68	69	70	AL SE	161	162	163	164	165	166	167	168	169	170
71	72	73	74	75	76	77	78	79	80	- Al	171	172	173	174	175	176	177	178	179	180
81	82	83	84	85	86	87	88	89	90		181	182	183	184	185	186	187	188	189	190
91	92	93	94	95	96	97	98	99	100		191	192	193	194	195	196	197	198	199	200

Hamish thinks of the hundreds board in his classroom and of an arrow code that he used to work out the difference between numbers:

	\rightarrow	+ 1		-	- 1	
$right \rightarrow = +1$	3	4	5	6	7	1+10
left ← = -1 7 - 1 = 6	13	14	15	16	17	¥ TIU
	23	24	25	26	27	
down $\psi = +10$ / + 10 = 1/	33	34	35	36	37	A 10
up ↑ = − 10 47 − 10 = 37	43	44	45	46	47	-10

 $1 \rightarrow 2 \rightarrow 3$

13

23

Hamish decides to make up number stories while he works. For his first number story, he is standing beside tree number 1 and needs to go to number 23. He can only walk along or down the rows of trees, not diagonally.

To get to tree 23, I'll walk along to tree 3, then down past tree 13 to tree 23.

So my number story to get from 1 to 23 is 1 + 1 + 1 + 10 + 10 = 23.

