Diving into Mastery – Diving

Adult Guidance with Question Prompts

Encourage children to count to 100, filling in the missing numbers on the hundred square.

Which numbers are missing?

How do you know which numbers are missing?

Messy Hundred Squares

Oh no! The hundred square has got dirty. Which numbers are hiding under the mud?

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

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Diving into Mastery – Deeper

Adult Guidance with Question Prompts

Encourage children to look at the surrounding numbers to help them work out the missing numbers.

Which number can you see that will help you?

How will that help you work out the missing number?

Can you explain?

Can you find out without counting?

Is there another way we could work it out?

How can you use the hundred square to help you? Tell a friend.

Messy Hundred Squares

The hundred square has been cut into four parts. Can you say which numbers are hidden by the mud? Explain how you know.

1	2	3	4	5
11	12		14	15
21				25
31	32		34	35
41	42	43	44	45

56	57	58	59	60
66	67	68		70
76	77			
86	87	88		90
96	97	98	99	100

6		8	9	10
			19	20
26		28	29	30
36	37	38	39	40
46	47	48	49	50

51	52	53	54	55
61	62	63	64	65
71		73	74	75
			84	85
91		93	94	95

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Diving into Mastery – Deepest

Adult Guidance with Question Prompts

Some children may need a complete hundred square to help with this activity.

Which row would 79 appear in?

Which numbers can you see in that row?

Which is the biggest number in that row?

Is 79 on this section of the hundred square?

Has 79 been ripped off?

Which other numbers have been ripped off? How do you know?

Messy Hundred Squares

Alex has ripped the bottom of his hundred square.



I've ripped off my favourite number, 79.

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	
31	32	33	34	35	36	37	38	39	
41	42	43	44	45	46	47	48		
51	52	53	54	55	56	57	58		
61	62	63	64	65					
71	72	73	74						
81	82								
91									

Is Alex right? How do you know?
Can you think of three other numbers that have been ripped off?

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