

Mental routine

Specific teaching focus

Consolidate doubling and halving strategies

Develop efficient multiplication mental strategies

Reinforce terminology related to multiplication eg factor, product, multiplier, divisible

Australian Curriculum Mathematics content descriptors

Year 3—recall multiplication facts of two, three, five and ten and related division facts

Year 4—recall multiplication facts up to 10×10 and related division facts

Materials/Resource required

Laminated 1-100 square per student

Whiteboard marker per student

Closed questions

I am thinking of the first number on the board that has 2 and 5 as factors. What is it?

I am thinking of the second last number on the board that has 5 as a factor. What is it?

The product of my two numbers is 20. What are my two numbers?

Circle the product of 5 eights.

Open questions

My product has 3 factors. What might it be?

My product is a square number. What might it be?

My number is divisible by 2 and 7. What might it be?

Flip questions

Guess the secret product. Can you do it in under 6 questions? You need to ask yes/no type questions. You cannot ask the same type of question twice. You must eliminate all the possible answers before you name the solution.

Possible questions—is your product a multiple of 2? Is your product divisible by 5? Do the digits in your product add to 9? Is your product a prime number?

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