

Year 3 - 10.7.20

Choose a Challenge!

①

Amir is dividing a 2-digit number by 3.

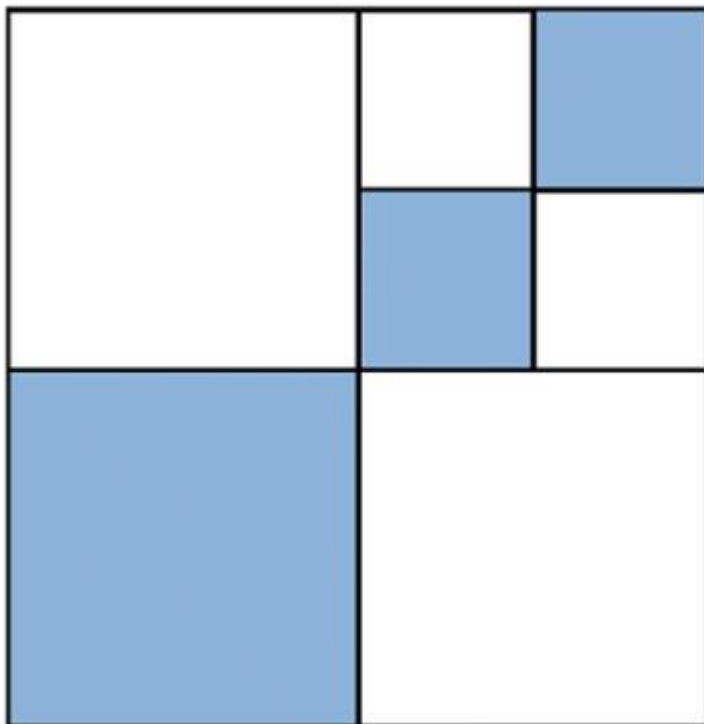
His answer is a whole number.

$$\boxed{2} \boxed{} \div \boxed{3}$$

What could the missing digit be?

②

A square is divided into smaller squares.



What fraction of the square is shaded?

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Challenge Solutions

1

Amir is dividing a 2-digit number by 3.

His answer is a whole number.

$$\boxed{2} \boxed{} \div \boxed{3}$$

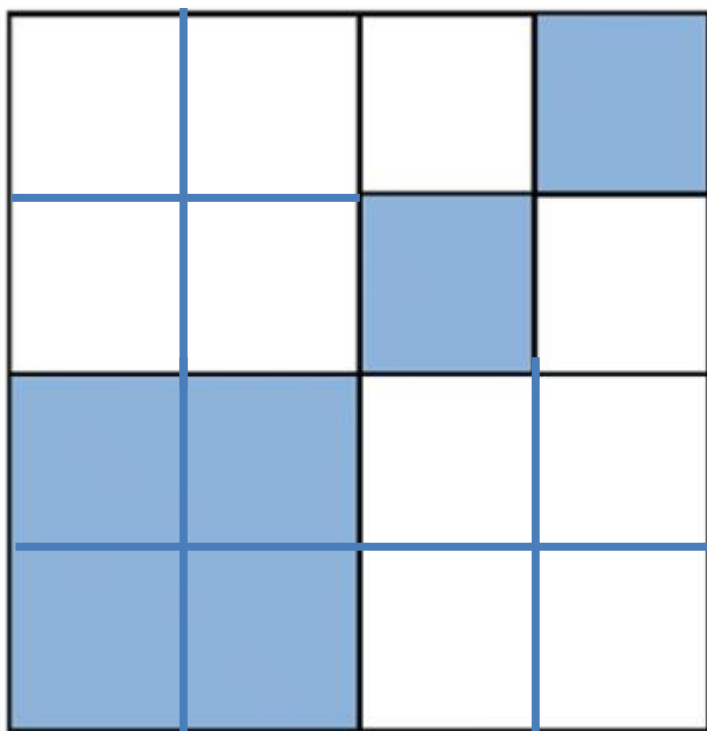
What could the missing digit be?

Use your times tables knowledge for a question like this.

The answer could be 21, 24, or 27.

A square is divided into smaller squares.

2



What fraction of the square is shaded?

1. Work systematically. One of the quarters is divided into 4.
2. This makes 16 parts in total, so the denominator is 16.
3. Count the number shaded. There are 6 shaded, so the numerator is 6.
4. $6/16$ can be divided by 2 and simplified to make $3/8$.

Times Tables Challenge 1

1	5×2		31	2×11	
2	2×12		32	7×5	
3	10×7		33	5×0	
4	12×0		34	2×7	
5	10×9		35	2×12	
6	5×11		36	6×5	
7	10×2		37	10×8	
8	5×11		38	4×3	
9	2×8		39	3×11	
10	5×5		40	9×2	
11	6×2		41	5×9	
12	10×9		42	1×10	
13	11×5		43	5×7	
14	8×0		44	2×12	
15	6×2		45	5×9	
16	2×9		46	6×0	
17	5×9		47	4×2	
18	10×10		48	0×9	
19	5×3		49	7×5	
20	5×8		50	10×4	
21	5×4		51	6×2	
22	2×9		52	3×10	
23	6×5		53	2×6	
24	8×5		54	8×5	
25	2×8		55	1×12	
26	7×5		56	3×5	
27	4×10		57	11×10	
28	4×2		58	6×5	
29	5×12		59	5×7	
30	2×7		60	11×2	

Times Tables Challenge 2

1	2 x 11		31	4 x 8	
2	7 x 8		32	9 x 9	
3	6 x 5		33	8 x 9	
4	8 x 8		34	11 x 7	
5	3 x 11		35	11 x 11	
6	5 x 5		36	4 x 7	
7	4 x 12		37	6 x 4	
8	6 x 9		38	4 x 4	
9	10 x 8		39	6 x 12	
10	6 x 7		40	5 x 3	
11	10 x 9		41	7 x 9	
12	5 x 11		42	2 x 8	
13	5 x 0		43	4 x 11	
14	10 x 10		44	5 x 12	
15	8 x 0		45	6 x 11	
16	5 x 8		46	5 x 4	
17	3 x 3		47	4 x 2	
18	3 x 8		48	2 x 12	
19	5 x 2		49	6 x 6	
20	10 x 7		50	2 x 9	
21	12 x 0		51	6 x 8	
22	4 x 9		52	8 x 7	
23	3 x 9		53	1 x 12	
24	11 x 8		54	3 x 3	
25	0 x 9		55	6 x 2	
26	6 x 3		56	3 x 12	
27	3 x 7		57	7 x 7	
28	7 x 6		58	11 x 9	
29	4 x 3		59	2 x 7	
30	5 x 9		60	5 x 7	

Times Tables Challenge 3

1	5×8		31	6×2	
2	$63 \div 7$		32	$72 \div 9$	
3	2×9		33	11×7	
4	6×5		34	5×0	
5	8×8		35	$8 \div 2$	
6	7×6		36	0×9	
7	4×4		37	6×8	
8	6×12		38	$42 \div 6$	
9	3×3		39	$9 \div 3$	
10	2×7		40	2×11	
11	10×9		41	10×7	
12	5×11		42	12×0	
13	$24 \div 8$		43	4×9	
14	5×5		44	10×10	
15	4×12		45	$15 \div 3$	
16	5×7		46	5×2	
17	$24 \div 12$		47	3×12	
18	4×11		48	8×0	
19	5×12		49	6×4	
20	$21 \div 3$		50	$27 \div 3$	
21	11×9		51	11×8	
22	$66 \div 6$		52	1×12	
23	5×4		53	5×9	
24	7×8		54	11×11	
25	4×3		55	$28 \div 7$	
26	3×11		56	6×3	
27	7×7		57	2×8	
28	$32 \div 4$		58	9×9	
29	6×6		59	6×9	
30	$56 \div 7$		60	$80 \div 8$	