

Focusing on Digits

NCTM Standards 1, 2, 6, 7, 9, 10

Write the two-digit mystery number for each puzzle at the bottom of the page.

- 1 A Both my digits are odd.
 B I am less than 5×7 .
 C $u < t$

- 2 A I am greater than 7×9 .
 B Both my digits are odd.
 C I can be made with 8 base-ten blocks.

- 3 A t is even.
 B I am a multiple of 10.
 C I am less than 7×4 .

- 4 A I am between 7×5 and 7×7 .
 B I am a multiple of 5.
 C $u < t$

1

t	u
	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

2

t	u
	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

3

t	u
	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

4

t	u
	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

Write the mystery number for each puzzle at the bottom of the page.

5 **A** I am less than 100.

B I am odd.

C I am a multiple of 11.

D The sum of my digits is 10.

6 **A** I am less than 10×10 .

B I am even.

C The product of my digits is 42.

7 **A** I am between 12×12 and 17×10 .

B $u > t$

C I can only be made with more than 14 base-ten blocks

D $t + 2 = u$

8 Challenge

A I am between 10×10 and 20×20 .

B $h = u \times 3$

C I am a square number.

D $t = h \times 2$

5 *t* *u*

--	--

- | | |
|---|---|
| | 0 |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |

6 *t* *u*

--	--

- | | |
|---|---|
| | 0 |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |

7 *h* *t* *u*

--	--	--

- | | | |
|---|---|---|
| | 0 | 0 |
| 1 | 1 | 1 |
| 2 | 2 | 2 |
| 3 | 3 | 3 |
| 4 | 4 | 4 |
| 5 | 5 | 5 |
| 6 | 6 | 6 |
| 7 | 7 | 7 |
| 8 | 8 | 8 |
| 9 | 9 | 9 |

8 *h* *t* *u*

--	--	--

- | | | |
|---|---|---|
| | 0 | 0 |
| 1 | 1 | 1 |
| 2 | 2 | 2 |
| 3 | 3 | 3 |
| 4 | 4 | 4 |
| 5 | 5 | 5 |
| 6 | 6 | 6 |
| 7 | 7 | 7 |
| 8 | 8 | 8 |
| 9 | 9 | 9 |