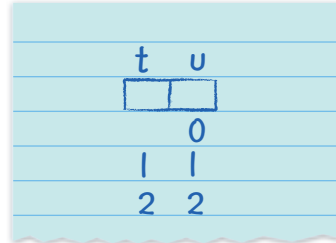


Working Strategically

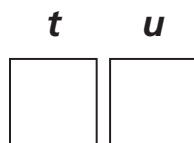
NCTM Standards 1, 2, 6, 7, 8, 9, 10

On your own piece of paper, you can make a diagram like the one shown below to help you solve the puzzle.

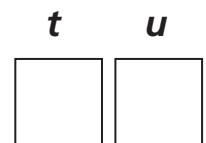


Remember that when you think there are just a few possible mystery numbers, list them all. Then look for ways to cross out numbers.

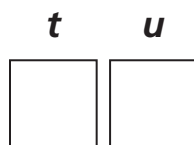
- 1 A I am an odd number.
 B The product of my digits is 7.
 C $u < t$



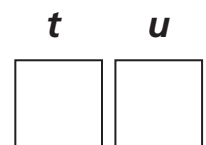
- 2 A I am greater than 7×9 .
 B The product of my digits is 24.
 C I have less than 9 groups of 10.
 D I do not have two even digits.



- 3 A t is even.
 B I am a multiple of 5.
 C $u + t > 11$
 D I have 5 units.



- 4 A I am between 7×5 and 7×7 .
 B The product of my digits is 12.
 C $u < t$



5 A You can show me with a group of 9 base-ten blocks.

B $t \times u = 18$

C $t > u$

D I am an odd number.

<i>t</i>	<i>u</i>
<input type="text"/>	<input type="text"/>

6 A I have more than 3 tens.

B $t \times u = 8$

C I am a square number.

<i>t</i>	<i>u</i>
<input type="text"/>	<input type="text"/>

7 A You can show me with a group of 17 base-ten blocks.

B I am a multiple of 10.

C $h < t$

<i>h</i>	<i>t</i>	<i>u</i>
<input type="text"/>	<input type="text"/>	<input type="text"/>

8 Challenge

A I am an even number.

B $h \times t = 0$

C $h \times u = u$

D $u = 8$

<i>h</i>	<i>t</i>	<i>u</i>
<input type="text"/>	<input type="text"/>	<input type="text"/>



9 Describe how you solved one of the puzzles on page 77 or page 78.
