
․:.:.:....... -•••••••• : . . . . . . . . . . . . . . . . . . . . . .
Mr. McDaniel has 36 tomato plants. He wants to plant them in a rectangular array consisting of at least 2 rows with at least 2 tomato plants in each row. On the grid at the right, draw three possible arrays.
List all the factors for 36. Then circle the factors that are prime
…: . . . : . . . .
-•••••••••••• -••••••••••• -•••••••••••• -. . . . . . . . . . . . . . . . . . . . - . . . . . . . . . - . . . . . . . . . -••••••••••• Is 36 a prime or composite number? $\qquad$
How can you tell?
$\qquad$
$\qquad$

Is 19 a prime or composite number? $\qquad$
How can you tell?
$\qquad$
$\qquad$

| Suppose you are playing |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Factor Captor with this grid. Which number would you choose to cover next? |  | 2 | O | 2 | 2 |
|  | 3 | 4 | 4 | , | 5 |
|  | $\bigcirc$ | 5 | 6 | 6 | O |
|  | 7 | 8 | O | 9 | 10 |
| WHY? | 10 | 12 | 0 | 14 | 15 |
|  | 16 | O | 21 | 22 | 24 |
|  | 25 | 27 | 28 | O | 32 |

date that Molly's dance recital is being held.

| $\checkmark$ The date is not an odd number. <br> $\checkmark$ The date is not a square number. | s | M | T | w | T | F | s |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 |
| $\checkmark$ The date is not a prime number. | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| $\checkmark$ The date is not a multiple of 3 . <br> $\checkmark$ The date is not a multiple of 5 . | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|  | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| $\checkmark$ The date is a multiple of 11 . | 28 | 29 | 30 | 31 |  |  |  |

On what date is Molly having her recital?

Write an 8 digit number that has:

3 in the ten-thousands place
5 in the hundreds place
9 in the hundred-thousands place
2 in the hundreths place
6 in the ones place
0 in all the other places

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- - _' - - - - -
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Write this number in words:
Write this number in words:
$\qquad$


## Divisibility

Name a number between 100 and 200 that is divisible by 2 , but not by 3 .

Name a number between 100 and 200 that is divisible by 2,3 , and 5 .

