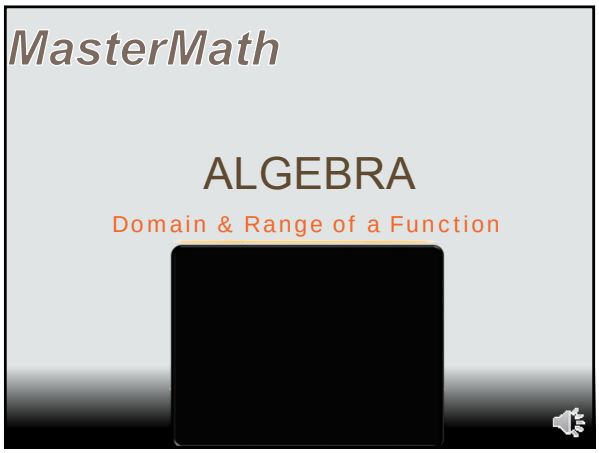

MasterMath
ALGEBRA
Domain & Range of a Function


DOMAIN, RANGE AND FUNCTION
Domain & Range of a Function


Domain & Range of a Function

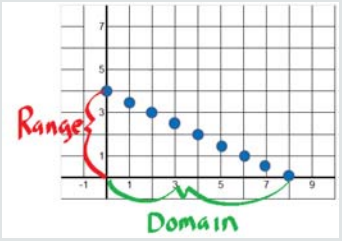
$x + 2y = \$8$

$y = 4 - .5x$

Domain

x	y
0.0	4.0
1.0	3.5
2.0	3.0
3.0	2.5
4.0	2.0
5.0	1.5
6.0	1.0
7.0	0.5
8.0	0.0

Range



Domain & Range of a Function

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2.0	3.0
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6.0	1.0
7.0	0.5
8.0	0.0

Range

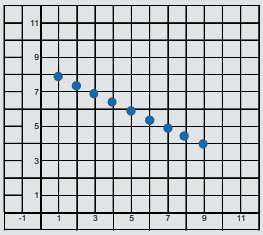
Is 9.5 in the Domain?

$y = \$4 - .5 * 9.5$
$y = \$4 - \$4.75$
$y = -.75$

Domain & Range of a Function

You try it!

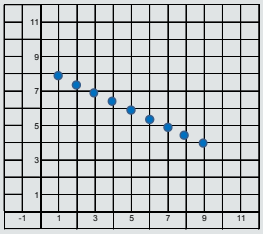
What is the domain and range of the function shown on the graph?



Domain & Range of a Function

You try it!

What is the domain and range of the function shown on the graph?



Domain:
1,2,3,4,5,6,7,8,9

Range:
4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8

Domain & Range of a Function

You try it!

The number of cans of tomatoes (x) and cans of potatoes (y) you can buy for $20 is represented by the equation 4y + 2x = $20. Write the equation in function form, then create a table showing the domain and range.

Domain & Range of a Function

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$4y + 2x = \$20$

$4y = \$20 - 2x$

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x	y
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2.0	4.0
3.0	3.5
4.0	3.0
5.0	2.5
6.0	2.0
7.0	1.5
8.0	1.0
9.0	0.5
10.0	0.0

Domain

Range

Domain & Range of a Function

You try it!

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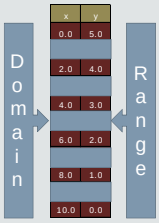

Domain & Range of a Function

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Domain & Range of a Function