

Name: _____

Independent and Dependent Variables

Making Tables from Equations

Use the given equation to complete each table. Then identify what the dependent (y) and independent (x) variables represent based on the scenario.

1. A theater charges \$12 per ticket for an evening show, but gives a flat \$4 off when multiple tickets are purchased.

Equation: $y = 12x - 4$

Dependent variable:

Independent variable:

x	y
2	
3	
4	
5	
6	



Preview
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3. A carnival's entrance fee is \$10. Rides and games each cost one token. Each token costs \$1.

Equation: $y = x + 10$

Dependent variable:

Independent variable:

x	y
0	
2	
4	
6	
8	

4. Amaia has a plant that grows about 2 centimeters a day. She always trims it 2 centimeters before measuring it.

Equation: $y = 2x - 2$

Dependent variable:

Independent variable:

x	y
1	
3	
5	
7	
9	

ANSWER KEY

Independent and Dependent Variables

Making Tables from Equations

Use the given equation to complete each table. Then identify what the dependent (y) and independent (x) variables represent based on the scenario.

1. A theater charges \$12 per ticket for an evening show, but gives a flat \$4 off when multiple tickets are purchased.

Equation: $y = 12x - 4$

Dependent variable:

x	y
2	20
3	32

Preview

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Dependent variable:

plant height at measurement

Independent variable:

days of growth

5	8
7	12
9	16