

Quiz: Advanced Proportions

**Question 1a of 10** ( 3 475184 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** 17  
**Question:** Solve the equation for x.

$$\frac{2x + 5}{3} = \frac{5x - 1}{4}$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 17.

**Question 1b of 10** ( 3 475185 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** -3  
**Question:** Solve the equation for x.

$$15x + 5 = 7x + 5$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: -3.

**Question 1c of 10** ( 3 475186 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** 1  
**Question:** Solve the equation for x.

Attempt	Incorrect Feedback
1st	
	Correct Feedback

Alg

	<b>Global Incorrect Feedback</b>
	The correct answer is: 1.

### Question 2a of 10 ( 3 475187 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** 5  
**Question:** Solve the equation for  $m$ .

$$\frac{m+3}{4} = \frac{2m}{5}$$

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

	<b>Correct Feedback</b>

	<b>Global Incorrect Feedback</b>
	The correct answer is: 5.

### Question 2b of 10 ( 3 475188 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** 2  
**Question:** Solve the equation for  $m$ .

$$m = \frac{m+2}{z-1}$$

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

	<b>Correct Feedback</b>

	<b>Global Incorrect Feedback</b>
	The correct answer is: 2.

### Question 2c of 10 ( 3 475189 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** -2  
**Question:** Solve the equation for  $m$ .

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

Alg

	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: -2.

### Question 3a of 10 ( 3 475190 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** 35  
**Question:** Solve the equation for y.

$$\frac{2y - 4}{5} = \frac{y + 6}{2}$$

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: 35.

### Question 3b of 10 ( 3 475191 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** -3  
**Question:** Solve the equation for y.

$$\frac{4y + 5}{2} = \frac{y - 2}{4}$$

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: -3.

### Question 3c of 10 ( 3 475192 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** -3  
**Question:** Solve the equation for y.

Alg

Attempt	Incorrect Feedback
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: -3.

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### Question 4a of 10 ( 3 475193 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** -5  
**Question:** Solve the equation for  $t$ .

$$\frac{t+7}{t-7} = \frac{2}{5}$$

Attempt	Incorrect Feedback
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: -5.

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### Question 4b of 10 ( 3 475194 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** -10  
**Question:** Solve the equation for  $t$ .

$$\frac{2t+7}{2t-5} = \frac{-7}{5}$$

Attempt	Incorrect Feedback
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: -10.

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Alg

### Question 4c of 10 ( 3 475195 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** -7  
**Question:** Solve the equation for  $t$ .

$$\frac{t+1}{t-1} = \frac{3}{2}$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: -7.

### Question 5a of 10 ( 3 475197 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** -3  
**Question:** Solve the equation for  $w$ .

$$\frac{w+5}{5} = \frac{w-9}{20}$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: -3.

### Question 5b of 10 ( 3 475198 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** 10  
**Question:** Solve the equation for  $w$ .

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 10.

### Question 5c of 10 ( 3 475199 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** 10  
**Question:** Solve the equation for w.

$$w - 4 = w - 6$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 10.

### Question 6a of 10 ( 3 475201 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** -1  
**Question:** Solve the equation for x.

$$\frac{-x + 2}{6} = \frac{2x + 5}{2}$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: -1.

### Question 6b of 10 ( 3 475202 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** -2  
**Question:** Solve the equation for x.

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: -2.

### Question 6c of 10 ( 3 475203 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** -6  
**Question:** Solve the equation for x.

$$\frac{2x + 1}{2L} = \frac{x + 2}{5}$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: -6.

### Question 7a of 10 ( 3 475204 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** 14  
**Question:** Solve the equation for x.

$$\frac{2 - x}{4 - x} = \frac{4}{5}$$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: 14.

### Question 7b of 10 ( 3 475205 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** -26  
**Question:** Solve the equation for x.

Attempt	Incorrect Feedback
1st	
	Correct Feedback

Alg

	<b>Global Incorrect Feedback</b>
	The correct answer is: -26.

### Question 7c of 10 ( 3 475206 )

**Maximum Attempts:** 1  
**Question Type:** Numeric Fill In Blank  
**Maximum Score:** 2  
**Correct Answer:** -13  
**Question:** Solve the equation for x.

$$\frac{3-x}{11-x} = \frac{2}{5}$$

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: -13.

### Question 8a of 10 ( 1 475207 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:** proportion  
**Question:** A(n) \_\_\_\_\_ is an equation that states that two ratios are equal.

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: proportion.

### Question 8b of 10 ( 1 475208 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:** proportion  
**Question:** A(n) \_\_\_\_\_ is an equation that states that two ratios are equal.

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	
	<b>Correct Feedback</b>



Alg

	<b>Global Incorrect Feedback</b>
	The correct answer is: proportion.

### Question 8c of 10 ( 1 475209 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:** proportion  
**Question:** A(n) \_\_\_\_\_ is an equation that states that two ratios are equal.

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

	<b>Correct Feedback</b>

	<b>Global Incorrect Feedback</b>
	The correct answer is: proportion.

### Question 9a of 10 ( 1 475210 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:** cross  
**Question:** To solve a proportion, you first need to \_\_\_\_\_ multiply.

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

	<b>Correct Feedback</b>

	<b>Global Incorrect Feedback</b>
	The correct answer is: cross.

### Question 9b of 10 ( 1 475211 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:** multiply  
**Question:** To solve a proportion, you first need to cross \_\_\_\_\_.

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

	<b>Correct Feedback</b>

	<b>Global Incorrect Feedback</b>
	The correct answer is: multiply.

### Question 9c of 10 ( 1 475212 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**Is Case Sensitive:** false

**Correct Answer:** cross

**Question:** To solve a proportion, you first need to \_\_\_\_\_ multiply.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: cross.

### Question 10a of 10 ( 3 475213 )

**Maximum Attempts:** 1

**Question Type:** Numeric Fill In Blank

**Maximum Score:** 2

**Correct Answer:** 0

**Question:** Solve the equation for x.

$$\frac{x+3}{3} = \frac{x+5}{5}$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 0.

### Question 10b of 10 ( 3 475214 )

**Maximum Attempts:** 1

**Question Type:** Numeric Fill In Blank

**Maximum Score:** 2

**Correct Answer:** 0

**Question:** Solve the equation for x.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 0.

Alg

### Question 10c of 10 ( 3 475215 )

**Maximum Attempts:** 1

**Question Type:** Numeric Fill In Blank

**Maximum Score:** 2

**Correct Answer:** 0

**Question:** Solve the equation for x.

$$\frac{2x+5}{5} = \frac{2x+9}{9}$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 0.

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