

PREVIEW

CLOSE

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.

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

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

	Global Incorrect Feedback
	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 .

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

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	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 .

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

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	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 .

Attempt	Incorrect Feedback
1st	

	Correct Feedback
	Global Incorrect Feedback
	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.

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

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	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.

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

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	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.

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

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 .

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

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answer is: -5.

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 .

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

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

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

	Global Incorrect Feedback
	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.

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

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	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.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	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.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	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.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	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.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	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 _____.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	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.

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.