

PREVIEW

CLOSE

Quiz: What Is a Monomial?

Question 1a of 10 (2 474797)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: monomial

Question: A(n) _____ is a number, a variable, or a product of a number and a variable.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: monomial.

Question 1b of 10 (2 474798)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: monomial

Question: A(n) _____ is a number, a variable, or a product of a number and a variable.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: monomial.

Question 1c of 10 (2 474799)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: monomial

Question: A(n) _____ is a number, a variable, or a product of a number and a variable.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

Global Incorrect Feedback	
The correct answer is: monomial.	

Question 2a of 10 (2 474815)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the following is a monomial?

	Choice	Feedback
A.	$a + 5b$	
*B.	$\frac{a}{2}$	
C.	$3x + 5$	
D.	$\frac{c}{c}$	

Global Incorrect Feedback	
The correct answer is: $\frac{a}{2}$.	

Question 2b of 10 (2 474816)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the following is a monomial?

	Choice	Feedback
A.	$b + 2w$	
B.	$3v$	
*C.	$9v^2$	
D.	$5c + 3t$	

Global Incorrect Feedback	
The correct answer is: $9v^2$.	

Question 2c of 10 (2 474817)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the following is a monomial?

	Choice	Feedback
*A.		
B.		
C.		
D.		

Global Incorrect Feedback
The correct answer is: $\frac{x}{3}$.

Question 3a of 10 (2 474820)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: Which of the following is *not* a monomial?

	Choice	Feedback
A.	$-x$	
B.	$-2x^2w^2$	
C.	x	
*D.	x^2	

Global Incorrect Feedback
The correct answer is: $\frac{7}{x}$.

Question 3b of 10 (2 474821)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: Which of the following is *not* a monomial?

	Choice	Feedback
A.	$\frac{3}{x}x^5$	
*B.	$x + \frac{1}{x}$	
C.	9	
D.		

Global Incorrect Feedback
The correct answer is: .

Question 3c of 10 (2 474822)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: Which of the following is *not* a monomial?

	Choice	Feedback
A.	-3	
B.	-3x	
*C.	$2x^5$	
D.	$-\frac{2}{5}x^6$	

Global Incorrect Feedback
The correct answer is: $2x^5$.

Question 4a of 10 (2 474827)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 2
Correct Answer: 6
Question: Enter the degree of the following monomial.

$$5x^4y^2z$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 6.

Question 4b of 10 (2 474828)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 2
Correct Answer: 4
Question: Enter the degree of the following monomial.

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: 4.

Question 4c of 10 (2 474829)

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 2
Correct Answer: 3
Question: Enter the degree of the following monomial.

$$4xy^2$$

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

Question 5a of 10 (2 474850)

Maximum Attempts: 1
Question Type: Multiple Response
Maximum Score: 2
Question: Which of the following are like terms? Check all that apply.

Correct Answers:

	Choice
A.	$3x^2$ and $4y^2$
B.	$4q^5$ and $4q^4$
*C.	$2b^3$ and $5b^3$
*D.	7 and 8
E.	$6cd$ and $10c^2d^3$

Attempt	Incorrect Feedback
1st	
	Correct Feedback
	Global Incorrect Feedback
	The correct answers are: and .

Question 5b of 10 (2 474851)

Maximum Attempts: 1
Question Type: Multiple Response
Maximum Score: 2
Question: Which of the following are like terms? Check all that apply.

Correct Answers:

	Choice
*A.	$-8x^2y^2$ and $4x^2y^2$
B.	4 and $4c^4$
C.	$2b^3$ and $2b^2$
*D.	0 and 0
*E.	$5c^2d^3$ and $5c^2d^3$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: $6x^2y^2$ and $4x^2y^2$, B and E, and $5c^2d^3$ and $5c^2d^3$.

Question 5c of 10 (2 474852)

Maximum Attempts: 1

Question Type: Multiple Response

Maximum Score: 2

Question: Which of the following are like terms? Check all that apply.

Correct Answers:

	Choice
A.	-3 and $-4c^2$
*B.	2 and -5
*C.	$2x^4$ and $2x^2$
*D.	$2ab$ and $-4ab$
E.	$5cd^3$ and $5c^2d^4$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: 2 and -5 , and $2ab$ and $-4ab$.

Question 6a of 10 (3 474857)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the sum of the following monomials?

	Choice	Feedback
*A.	$8x^2$	
B.	$8x^4$	
C.	$15x^2$	
D.	$15x^4$	

Global Incorrect Feedback
The correct answer is: $15x^2$.

Question 6b of 10 (3 474858)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the sum of the following monomials?

$$2x^2 + 6x^2$$

	Choice	Feedback
A.	$8x^2b^2$	
*B.	$8x^2b^2$	
C.	$12x^2b^4$	
D.	$12b^2$	

Global Incorrect Feedback
The correct answer is $8x^2$.

Question 6c of 10 (3 474859)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the sum of the following monomials?

	Choice	Feedback
A.		
B.		
C.		
*D.		

Global Incorrect Feedback
The correct answer is: .

Question 7a of 10 (3 474863)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the difference of the following monomials?

$$16x^2y^3 - 4x^2y^3$$

	Choice	Feedback
A.	$12x^4y^6$	
*B.	$12x^2y^3$	
C.	$64x^4y^9$	
D.	$64x^2y^3$	

Global Incorrect Feedback
The correct answer is: $12x^2y^3$.

Question 7b of 10 (3 474864)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the difference of the following monomials?

$$12bc - 4bc$$

	Choice	Feedback
*A.	$8bc$	
B.	$18bc$	
C.	$8b^2c^2$	
D.	$18b^2c^2$	

Global Incorrect Feedback
The correct answer is: $8bc$.

Question 7c of 10 (3 474865)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the difference of the following monomials?

	Choice	Feedback
A.		
*B.		
C.		
D.		

Global Incorrect Feedback
The correct answer is: $-2xy^2n$.

Question 8a of 10 (3 474866)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the product of the following monomials?

$$4c^2d^3 \cdot 2cd^2$$

	Choice	Feedback
A.	$2cd$	
B.	$3cd$	
C.	$4c^3d^6$	
*D.	$3c^3d^6$	

Global Incorrect Feedback
The correct answer is: $-6c^3d^6$.

Question 8b of 10 (3 474867)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the product of the following monomials?

$$-7xy^2 \cdot 2x^4y$$

	Choice	Feedback
*A.	$6xy^3$	
B.	$-x^3y^3$	
C.	$\frac{-7y}{x}$	
D.		

Global Incorrect Feedback
The correct answer is: .

Question 8c of 10 (3 474868)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the product of the following monomials?

	Choice	Feedback
*A.	$-15a^5b^8$	
B.	$2a^5b^8$	
C.	$\frac{-15a}{b^8}$	
D.	$\frac{2a}{b^8}$	

Global Incorrect Feedback
The correct answer is: $15a^5b^8$.

Question 9a of 10 (3 474869)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the quotient of the following monomials?

$$\frac{12x^2y^3z^4}{3xy^2z^2}$$

	Choice	Feedback
*A.	$\frac{4xz}{y}$	
B.	$\frac{3xz}{y}$	
C.	$4x^3y^4z^2$	
D.	$9x^3y^4z^2$	

Global Incorrect Feedback
The correct answer is: $\frac{4xz}{y}$.

Question 9b of 10 (3 474870)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: What is the quotient of the following monomials?

	Choice	Feedback
A.		
B.		
C.		
*D.		

Global Incorrect Feedback
The correct answer is: $\frac{7}{9^2 10}$.

Question 9c of 10 (3 474871)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the quotient of the following monomials?

$$2c^2d \div 2cd^4$$

	Choice	Feedback
*A.	$\frac{3c}{d^3}$	
B.	$\frac{1c}{d^3}$	
C.	$3c^3d^3$	
D.	$4c^3d^3$	

Global Incorrect Feedback
The correct answer is: $\frac{1c}{d^3}$.

Question 10a of 10 (3 474872)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: Which of the following would result in $7x^2$?

	Choice	Feedback
*A.	$\frac{-8x^3r^2}{6xy^2}$	
B.		
C.		
D.		

Global Incorrect Feedback
The correct answer is: .

Question 10b of 10 (3 474873)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: Which of the following would result in ?

	Choice	Feedback
*A.	$-20ab^3 - 15a^2b^2$	
B.	$3ab^3 + 7a^2b^2$	
C.	$15a^3b - 10a^2b$	
D.	$-\frac{15a^3b^2}{3ab^4}$	

Global Incorrect Feedback
The correct answer is: $-20ab^3 + 15a^2b^2$.

Question 10c of 10 (3 474874)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the following would result in $4cd$?

	Choice	Feedback
A.	$2c^3d + 2c^3d$	
*B.	$6cd - 2cd$	
C.	$2cd + 2cd^2$	
D.	$16cd^3 + cd$	

Global Incorrect Feedback
The correct answer is: $6cd - 2cd$.