

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.	$a + 3b$	
*B.	$\frac{a}{2}$	
C.	$3x - 5$	
D.	$\frac{3}{x}$	

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.	$5 - 2t$	
B.	$3x^{-1}$	
*C.	$9x^2$	
D.	$5t^3 + 3t$	

Global Incorrect Feedback
The correct answer is: .

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.	$\frac{x}{y}$	
B.	$4b^2$	
C.	$2-5x$	
D.	$\frac{1}{y}$	

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

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.	$-\frac{x}{3}$	
B.	$-3j^2w^2$	
C.	$\sqrt{5}$	
*D.	$\frac{7}{z}$	

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

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.		
*B.		
C.		
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.	$-x$	
B.	$-x^2$	
*C.	$2x^6$	
D.	$-x^2y^3$	

Global Incorrect Feedback

The correct answer is: $-x^5$.

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.

$$-7x^2y^3z$$

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.	$4g^3$ and $4g^4$
*C.	$2b^3$ and $5b^3$
*D.	7 and 0
E.	$5cd$ and $5c^2d^3$

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.	$3x^2y^2$ and $1x^2y^2$
B.	4 and $4c^4$
C.	$2b^3$ and $2b^2$
*D.	c and 5
*E.	$-5c^2d^3$ and $5c^2d^3$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: $3x^2y^2$ and $1x^2y^2$, 3 and 4, 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 $-4c^3$
*B.	2 and -5
*C.	$-2x^2$ and $2x^2$
*D.	$2ab$ and $-4ab$
E.	$3cd^3$ and $13c^2d^4$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: 2 and -5 , $-2x^2$ and $2x^2$, 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.	$0x^4$	
C.	$-5x^2$	
D.	$-7x^4$	

Global Incorrect Feedback
The correct answer is: $8x^4$.

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?

$$2ab^2 + 6ab^2$$

	Choice	Feedback
A.	$0a^2b^4$	
*B.	$0ab^2$	
C.	$-2a^2b$	
D.	$-2b^2$	

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

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?

$$12x^2y^3 - 4x^2y^3$$

	Choice	Feedback
A.	$-2x^4y^0$	
*B.	$12x^2y^3$	
C.	$64x^4y^4$	
D.	$64x^4y^3$	

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.	$0bc$	
B.	$48bc$	
C.	$82c^2$	
D.	480^2c^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: $2g^2h$.

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.	$-8cd$	
C.	$2c^3d^5$	
*D.	$8c^3d^5$	

Global Incorrect Feedback

The correct answer is: $-8c^3d^5$.

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?

$$3xy^2 \cdot 2x^2y$$

	Choice	Feedback
*A.	$-6x^3y^3$	
B.	x^3y^3	
C.	$\frac{6y}{x}$	
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.	$15a^5b^2$	
B.	$2a^2b^0$	
C.	$\frac{15a}{b^4}$	
D.	$\frac{2a}{b^4}$	

Global Incorrect Feedback

The correct answer is: $-15a^5b^2$.

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?

$$-12x^2yz^3 \div 3xy^2z^2$$

	Choice	Feedback
*A.	$\frac{4xz}{y^2}$	
B.	$\frac{9xz}{y^2}$	
C.	$4x^3y^4z^5$	
D.	$9x^3y^4z^5$	

Global Incorrect Feedback

The correct answer is: $\frac{4xz}{y^2}$.

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: $\frac{3c}{a^2}$.

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?

$$\frac{bc^2d}{2cd^4}$$

	Choice	Feedback
*A.	$\frac{3c}{a^2}$	
B.	$\frac{4b}{a^3}$	
C.	$3c^2d$	
D.	$4c^2d^2$	

Global Incorrect Feedback

The correct answer is: $\frac{3c}{a^2}$.

Question 10a of 10 (3 474872)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which of the following would result in $3x^2$?

	Choice	Feedback
*A.	$\frac{18xy^2}{6y^2}$	
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.	$20ab^2 + 15ab^3$	
B.	$3ab^3 + 5ab^3$	
C.	$-5a^3b - 10a^3b$	
D.	$\frac{-15ab^2}{3ab^2}$	

Global Incorrect Feedback

The correct answer is: $-20ab^2 + 15ab^3$.

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.	$2c^3d^2 + 2c^3d$	
*B.	$6cd + 2cd$	
C.	$2cd + 2cd^2$	
D.	$\frac{16c^3d^2}{4cd}$	

Global Incorrect Feedback

The correct answer is: $6cd + 2cd$.