Expressions: terms, coefficients and values

Year 7, upper volume • text pp. 41–44 • foundation lessons 21–22 • 1/2

Name: _____ Class: _____ Date: _____

Worked example 1

For the monomial below, find its degree. Explain which part of the term is counted.

$$-3x^2y$$

Guided attempt 2

Find the value of 2x + 3 when x = −2. Keep the negative value in brackets during substitution.

$$2x + 3$$

1. x = _____, so 2x + 3 = 2 × (_____) + 3.
2. The product is _____.
3. The final value is _____.

Prerequisite 3

For the monomial below, find its coefficient. Explain which part of the term is counted.

$$-x$$

Prerequisite 4

Evaluate a^2 when a = 3.

$$a^2$$

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Year 7, upper volume • text pp. 41–44 • foundation lessons 21–22 • 2/2

Name: _____ Class: _____ Date: _____

Independent practice 5

For the monomial below, find its coefficient. Explain which part of the term is counted.

$$-5ab^2$$

Independent practice 6

For the monomial below, find its degree. Explain which part of the term is counted.

$$\frac{1}{2}x^2y^3$$

Independent practice 7

Find 3a − 2b when a = −1 and b = 2.

$$3a - 2b$$

Independent practice 8

Each notebook costs 4 dollars and a single packing fee is 3 dollars. Write the total cost for n notebooks. Do not substitute a value for n.

Exit question 9

For the monomial below, find its degree. Explain which part of the term is counted.

$$-2x^3y$$

Exit question 10

Find $-x^2$ when x = −3. Explain why the answer is not 9.

$$-x^2$$