

Factors of Monomials

Grade 7 Factors & Multiples Worksheet

Date: _____

Name: _____

LET'S MAKE LEARNING FACTORS EASY

Tick (✓) all the correct answers from the options provided.

Part A

1. Which of the following are the factors of $15xy^2$?

a. $2y^2$ b. $4x$ c. 3 d. $5xy$ e. yx^3

2. Which of the following are the factors of $24p^2qr$?

a. $3pqr$ b. $2pq$ c. pr d. 16 e. pqr

3. Which of the following are the factors of $18p^3q$?

a. $3p^3$ b. p^2q c. pq d. pq^3 e. $9pq$

4. Which of the following are the factors of $12ab$?

a. 12 b. ab c. $4a^3b$ d. $2a^3$ e. $6ab$

5. Which of the following are the factors of $3y^2$?

a. y^2 b. y c. $3y^3$ d. $2y$ e. 3

Part B

6. Write all the possible factors of $8xy$ in the box provided:

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7. Write all the possible factors of $3ab^2$ in the box provided:

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Factors of Monomials

Grade 7 Factors & Multiples Answer Sheet

1. Which of the following are the factors of $15xy^2$?

a. $2y^2$ b. $4x$ c. 3 ✓ d. $5xy$ ✓ e. yx^3

2. Which of the following are the factors of $24p^2qr$?

a. $3pqr$ ✓ b. $2pq$ ✓ c. pr ✓ d. 16 e. pqr ✓

3. Which of the following are the factors of $18p^3q$?

a. $3p^3$ ✓ b. p^2q ✓ c. pq ✓ d. pq^3 e. $9pq$ ✓

4. Which of the following are the factors of $12ab$?

a. 12 ✓ b. ab ✓ c. $4a^3b$ d. $2a^3$ e. $6ab$ ✓

5. Which of the following are the the factors of $3y^2$?

a. y^2 ✓ b. y ✓ c. $3y^3$ d. $2y$ e. 3 ✓

Part B

6. Write all the possible factors of $8xy$ in the box provided:

1, 2, 4, 8, x , y , $2x$, $2y$, $4x$, $4y$, $8x$, $8y$, xy , $2xy$, $4xy$, $8xy$

7. Write all the possible factors of $3ab^2$ in the box provided:

1, 3, a , b^2 , $3a$, $3b^2$, b , $3b$, ab , $3ab$, $3ab^2$