



# 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  $25s^2tu$  ?

a. 5	b. $25t$	c. 24	d. $12su$	e. $su$
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2. Which of the following are the factors of  $42ab^3$  ?

a. $ab^3$	b. 2	c. $21ab^3$	d. $b^3$	e. $15ab^3$
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3. Which of the following are the factors of  $81uvw$  ?

a. $vw^2$	b. $u$	c. $81uvw$	d. $3v^2w$	e. $9w^3$
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4. Which of the following are the factors of  $63t^3$  ?

a. $3t^5$	b. $t$	c. $7t$	d. $s^3$	d. 9
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5. Which of the following are the the factors of  $48bc^3d^2$  ?

a. $13c^3$	b. $c^3d$	c. $12b$	d. $bc$	e. $4a^3$
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### Part B

6. Write all the possible factors of  $16gh$  in the box provided:

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7. Write all the possible factors of  $5mn^2$  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  $25s^2tu$  ?

- |        |            |       |           |           |
|--------|------------|-------|-----------|-----------|
| a. 5 ✓ | b. $25t$ ✓ | c. 24 | d. $12su$ | e. $su$ ✓ |
|--------|------------|-------|-----------|-----------|

2. Which of the following are the factors of  $42ab^3$  ?

- |             |        |               |            |             |
|-------------|--------|---------------|------------|-------------|
| a. $ab^3$ ✓ | b. 2 ✓ | c. $21ab^3$ ✓ | d. $b^3$ ✓ | e. $15ab^3$ |
|-------------|--------|---------------|------------|-------------|

3. Which of the following are the factors of  $81uvw$  ?

- |           |          |              |            |           |
|-----------|----------|--------------|------------|-----------|
| a. $vw^2$ | b. $u$ ✓ | c. $81uvw$ ✓ | d. $3v^2w$ | e. $9w^3$ |
|-----------|----------|--------------|------------|-----------|

4. Which of the following are the factors of  $63t^3$  ?

- |           |          |           |          |        |
|-----------|----------|-----------|----------|--------|
| a. $3t^5$ | b. $t$ ✓ | c. $7t$ ✓ | d. $s^3$ | e. 9 ✓ |
|-----------|----------|-----------|----------|--------|

5. Which of the following are the the factors of  $48bc^3d^2$  ?

- |            |             |            |           |           |
|------------|-------------|------------|-----------|-----------|
| a. $13c^3$ | b. $c^3d$ ✓ | c. $12b$ ✓ | d. $bc$ ✓ | e. $4a^3$ |
|------------|-------------|------------|-----------|-----------|

### Part B

6. Write all the possible factors of  $16gh$  in the box provided:

1, 2, 4, 8, 16, $g$ , $h$ , $2g$ , $2h$ , $4g$ , $4h$ , $8g$ , $8h$ , $16g$ , $16h$ , $gh$ , $2gh$ , $4gh$ , $8gh$ , $16gh$
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7. Write all the possible factors of  $5mn^2$  in the box provided:

1, 5, $m$ , $n^2$ , $5m$ , $5n^2$ , $n$ , $5n$ , $mn$ , $5mn$ , $5mn^2$
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