

Name : \_\_\_\_\_

## LCM - Monomials

ES1

Find the least common multiple.

1)  $4n, 6m, 8m$

LCM = \_\_\_\_\_

2)  $12b^3, 18, 2b^6$

LCM = \_\_\_\_\_

3)  $p^5q, 2q^3r^4, 10r^3p^4$

LCM = \_\_\_\_\_

4)  $x^6, x^2y^5, 5$

LCM = \_\_\_\_\_

5)  $3k^4, 9k^3, 15k^2$

LCM = \_\_\_\_\_

6)  $s^3, 13s^5, s^2$

LCM = \_\_\_\_\_

7)  $c^2d^3, d^4, c^6$

LCM = \_\_\_\_\_

8)  $3tu^3v, 7t^2uv, 14tuv$

LCM = \_\_\_\_\_

9)  $7a, 21a, a^2$

LCM = \_\_\_\_\_

10)  $18g^2h^3, 9g^2h, 2g^3$

LCM = \_\_\_\_\_

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## Answer key

### LCM - Monomials

ES1

Find the least common multiple.

1)  $4n, 6m, 8m$

LCM = 24mn

2)  $12b^3, 18, 2b^6$

LCM = 36b<sup>6</sup>

3)  $p^5q, 2q^3r^4, 10r^3p^4$

LCM = 10p<sup>5</sup>q<sup>3</sup>r<sup>4</sup>

4)  $x^6, x^2y^5, 5$

LCM = 5x<sup>6</sup>y<sup>5</sup>

5)  $3k^4, 9k^3, 15k^2$

LCM = 45k<sup>4</sup>

6)  $s^3, 13s^5, s^2$

LCM = 13s<sup>5</sup>

7)  $c^2d^3, d^4, c^6$

LCM = c<sup>6</sup>d<sup>4</sup>

8)  $3tu^3v, 7t^2uv, 14tuv$

LCM = 42t<sup>2</sup>u<sup>3</sup>v

9)  $7a, 21a, a^2$

LCM = 21a<sup>2</sup>

10)  $18g^2h^3, 9g^2h, 2g^3$

LCM = 18g<sup>3</sup>h<sup>3</sup>