

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

## Least Common Multiple

ES1

Find the least common multiple of each pair of numbers.

1) 9, 15

$$\text{LCM}(9, 15) = \underline{\hspace{2cm}}$$

2) 4, 8

$$\text{LCM}(4, 8) = \underline{\hspace{2cm}}$$

3) 18, 3

$$\text{LCM}(18, 3) = \underline{\hspace{2cm}}$$

4) 22, 6

$$\text{LCM}(22, 6) = \underline{\hspace{2cm}}$$

5) 9, 21

$$\text{LCM}(9, 21) = \underline{\hspace{2cm}}$$

6) 2, 3

$$\text{LCM}(2, 3) = \underline{\hspace{2cm}}$$

7) 14, 4

$$\text{LCM}(14, 4) = \underline{\hspace{2cm}}$$

8) 5, 25

$$\text{LCM}(5, 25) = \underline{\hspace{2cm}}$$

9) 7, 6

$$\text{LCM}(7, 6) = \underline{\hspace{2cm}}$$

10) 12, 20

$$\text{LCM}(12, 20) = \underline{\hspace{2cm}}$$

Name: Answer Key

## Least Common Multiple

ES1

Find the least common multiple of each pair of numbers.

1) 9, 15

$9 = 3 \times 3$   
 $15 = 3 \times 5$

$3 \times 3 \times 5 = 45$

LCM(9, 15) = 45

2) 4, 8

$4 = 2 \times 2$   
 $8 = 2 \times 2 \times 2$

$2 \times 2 \times 2 = 8$

LCM(4, 8) = 8

3) 18, 3

$18 = 2 \times 3 \times 3$   
 $3 = 3$

$2 \times 3 \times 3 = 18$

LCM(18, 3) = 18

4) 22, 6

$22 = 2 \times 11$   
 $6 = 2 \times 3$

$2 \times 3 \times 11 = 66$

LCM(22, 6) = 66

5) 9, 21

$9 = 3 \times 3$   
 $21 = 3 \times 7$

$3 \times 3 \times 7 = 63$

LCM(9, 21) = 63

6) 2, 3

$2 = 2$   
 $3 = 3$

$2 \times 3 = 6$

LCM(2, 3) = 6

7) 14, 4

$14 = 2 \times 7$   
 $4 = 2 \times 2$

$2 \times 2 \times 7 = 28$

LCM(14, 4) = 28

8) 5, 25

$5 = 5$   
 $25 = 5 \times 5$

$5 \times 5 = 25$

LCM(5, 25) = 25

9) 7, 6

$7 = 7$   
 $6 = 2 \times 3$

$7 \times 2 \times 3 = 42$

LCM(7, 6) = 42

10) 12, 20

$12 = 2 \times 2 \times 3$   
 $20 = 2 \times 2 \times 5$

$2 \times 2 \times 3 \times 5 = 60$

LCM(12, 20) = 60