Name   Date

GREATEST COMMON FACTOR SHEET 2A

For each problem below, write out the lists of factors to find the GCF.

1) Find the greatest common factor of 18 and 24.

Factors of 18:   *Factors of 24:*

The greatest common factor is _____ .

2) Find the highest common factor of 30 and 25.

Factors of 30:   *Factors of 25:*

The highest common factor is _____ .

3) Find the greatest common factor of 21 and 28.

Factors of 21:   *Factors of 28:*

The greatest common factor is _____ .

4) Find the highest common factor of 24 and 25.

Factors of 24:   *Factors of 25:*

The highest common factor is _____ .

5) Find the greatest common divisor of 27 and 36.

Factors of 27:   *Factors of 36:*

The greatest common divisor is _____ .

Note: the highest common factor and the greatest common divisor mean the same as the greatest common factor.

GREATEST COMMON FACTOR SHEET 2A ANSWERS

1) Find the greatest common factor of 18 and 24.

Factors of 18:   *1, 2, 3, 6, 9, 18*   *Factors of 24:*   *1, 2, 3, 4, 6, 8, 12, 24*

The greatest common factor is 6.

2) Find the highest common factor of 30 and 25.

Factors of 30:   *1, 2, 5, 6, 15, 30*   *Factors of 25:*   *1, 5, 25*

The highest common factor is 5.

3) Find the greatest common factor of 21 and 28.

Factors of 21:   *1, 3, 7, 21*   *Factors of 28:*   *1, 2, 4, 7, 14, 28*

The greatest common factor is 7.

4) Find the highest common factor of 24 and 25.

Factors of 24:   *1, 2, 3, 4, 6, 8, 12, 24*   *Factors of 25:*   *1, 5, 25*

The highest common factor is 1.

5) Find the greatest common divisor of 27 and 36.

Factors of 27:   *1, 3, 9, 27*   *Factors of 36:*   *1, 2, 3 ,4, 6, 9, 12, 18, 36*

The greatest common divisor is 9.