

Name _____

Date _____



GREATEST COMMON FACTOR SHEET 1A

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

Example: Find the greatest common factor of 20 and 12.

Factors of 20 are: 1, 2, **4**, 5, 10, 20 Factors of 12 are: 1, 2, 3, **4**, 6, 12.

The greatest common factor (the largest number occurring in both lists) is 4.

1) Find the greatest common factor of 20 and 25.

Factors of 20 are _____, _____, _____, _____, _____, _____ Factors of 25 are _____, _____, _____

Greatest common factor is _____.

2) Find the greatest common factor of 28 and 12.

Factors of 28: _____

Factors of 12: _____

Greatest common factor is _____.

3) Find the greatest common factor of 15 and 24.

Factors of 15: _____

Factors of 24: _____

Greatest common factor is _____.

4) Find the highest common factor of 14 and 11.

Factors of 14: _____

Factors of 11: _____

Highest common factor is _____.

Remember: the highest common factor is the same as the greatest common factor.



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GREATEST COMMON FACTOR SHEET 1A ANSWERS

1) Find the greatest common factor of 20 and 25.

Factors of 20 are 1, 2, 4, 5, 10, 20 Factors of 25 are 1, 5, 25

Greatest common factor is 5.

2) Find the greatest common factor of 28 and 12.

Factors of 28: 1, 2, 4, 7, 14, 28 Factors of 12: 1, 2, 3, 4, 6, 12

Greatest common factor is 4.

3) Find the greatest common factor of 15 and 24.

Factors of 15: 1, 3, 5, 15 Factors of 24: 1, 2, 3, 4, 6, 8, 12, 24

Greatest common factor is 3.

4) Find the highest common factor of 14 and 11.

Factors of 14: 1, 2, 7, 14 Factors of 11: 1, 11

Highest common factor is 1.