

Name _____

Date _____



GREATEST COMMON FACTOR SHEET 5A

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

1) Find the greatest common factor of 20, 15, and 12.

Factors of 20:

Factors of 15:

Factors of 12:

- $GCF(20, 15, 12) = \underline{\hspace{2cm}}$.

2) Find the greatest common factor of 21, 35, and 28.

Factors of 21:

Factors of 35:

Factors of 28:

- $GCF(21, 35, 28) = \underline{\hspace{2cm}}$.

3) Find the greatest common factor of 24, 18, and 30.

Factors of 24:

Factors of 18:

Factors of 30:

- $GCF(24, 18, 30) = \underline{\hspace{2cm}}$.

4) Find the greatest common factor of 40, 28, and 18.

Factors of 40:

Factors of 28:

Factors of 18:

- $GCF(40, 28, 18) = \underline{\hspace{2cm}}$.

Remember – the greatest common factor is the largest common factor in all 3 lists of factors!





GREATEST COMMON FACTOR SHEET 5A ANSWERS

1) Find the greatest common factor of 20, 15, and 12.

Factors of 20: 1, 2, 4, 5, 10, 20

Factors of 15: 1, 3, 5, 15

Factors of 12: 1, 2, 3, 4, 6, 12

- $GCF(20, 15, 12) = \underline{1}$

2) Find the greatest common factor of 21, 35, and 28.

Factors of 21: 1, 3, 7, 21

Factors of 35: 1, 5, 7, 35

Factors of 28: 1, 2, 4, 7, 14, 28

- $GCF(21, 35, 28) = \underline{7}$

3) Find the greatest common factor of 24, 18, and 30.

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

Factors of 18: 1, 2, 3, 6, 9, 18

Factors of 30: 1, 2, 3, 5, 6, 10, 15, 30

- $GCF(24, 18, 30) = \underline{6}$

4) Find the greatest common factor of 40, 28, and 18.

Factors of 40: 1, 2, 4, 5, 8, 10, 20, 40

Factors of 28: 1, 2, 4, 7, 14, 28

Factors of 18: 1, 2, 3, 6, 9, 18

- $GCF(40, 28, 18) = \underline{2}$