

Name _____

Date _____



GREATEST COMMON FACTOR SHEET 4B

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

1) Find the greatest common factor of 35 and 49.

Prime Factorization of 35: _____

Prime Factorization of 49: _____

- $GCF(35, 49) =$ _____.

2) Find the greatest common factor of 60 and 44.

Prime Factorization of 60: _____

Prime Factorization of 44: _____

- $GCF(60, 44) =$ _____.

3) Find the greatest common factor of 64 and 56.

Prime Factorization of 64: _____

Prime Factorization of 56: _____

- $GCF(64, 56) =$ _____.

4) Find the greatest common factor of 80 and 32.

Prime Factorization of 80: _____

Prime Factorization of 32: _____

- $GCF(80, 32) =$ _____.

5) Find the greatest common factor of 75 and 58.

Prime Factorization of 75: _____

Prime Factorization of 58: _____

- $GCF(75, 58) =$ _____.



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GREATEST COMMON FACTOR SHEET 4B ANSWERS

1) Find the greatest common factor of 35 and 49.

Prime Factorization of 35: 5×7

Prime Factorization of 49: 7×7

- $GCF(35, 49) = \underline{7}$

2) Find the greatest common factor of 60 and 44.

Prime Factorization of 60: $2 \times 2 \times 3 \times 5$

Prime Factorization of 44: $2 \times 2 \times 11$

- $GCF(60, 44) = \underline{4}$

3) Find the greatest common factor of 64 and 56.

Prime Factorization of 64: $2 \times 2 \times 2 \times 2 \times 2 \times 2$

Prime Factorization of 56: $2 \times 2 \times 2 \times 7$

- $GCF(64, 56) = \underline{8}$

4) Find the greatest common factor of 80 and 32.

Prime Factorization of 80: $2 \times 2 \times 2 \times 2 \times 5$

Prime Factorization of 32: $2 \times 2 \times 2 \times 2 \times 2$

- $GCF(80, 32) = \underline{16}$

5) Find the greatest common factor of 75 and 58.

Prime Factorization of 75: $3 \times 5 \times 5$

Prime Factorization of 58: 2×29

- $GCF(75, 58) = \underline{1}$