

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

## Greatest Common Factor

DS5

Find the greatest common factor for each pair of numbers.

1) 740, 560

Factors of 740 = \_\_\_\_\_

Factors of 560 = \_\_\_\_\_

GCF(740, 560) = \_\_\_\_\_

2) 36, 456

Factors of 36 = \_\_\_\_\_

Factors of 456 = \_\_\_\_\_

GCF(36, 456) = \_\_\_\_\_

3) 189, 204

Factors of 189 = \_\_\_\_\_

Factors of 204 = \_\_\_\_\_

GCF(189, 204) = \_\_\_\_\_

4) 434, 98

Factors of 434 = \_\_\_\_\_

Factors of 98 = \_\_\_\_\_

GCF(434, 98) = \_\_\_\_\_

5) 315, 70

Factors of 315 = \_\_\_\_\_

Factors of 70 = \_\_\_\_\_

GCF(315, 70) = \_\_\_\_\_

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## Answer key

### Greatest Common Factor

DS5

Find the greatest common factor for each pair of numbers.

1) 740, 560

Factors of 740 = 1, 2, 4, 5, 10, 20, 37, 74, 148, 185, 370, 740

Factors of 560 = 1, 2, 4, 5, 7, 8, 10, 14, 16, 20, 28, 35, 40, 56, 70, 80, 112, 140, 280, 560

GCF(740, 560) = 5

2) 36, 456

Factors of 36 = 1, 2, 3, 4, 6, 9, 12, 18, 36

Factors of 456 = 1, 2, 3, 4, 6, 8, 12, 15, 19, 24, 38, 47, 57, 76, 114, 152, 228, 456

GCF(36, 456) = 12

3) 189, 204

Factors of 189 = 1, 3, 7, 9, 27, 63, 189

Factors of 204 = 1, 2, 3, 4, 6, 17, 34, 51, 68, 102, 204

GCF(189, 204) = 3

4) 434, 98

Factors of 434 = 1, 2, 7, 14, 31, 62, 217, 434

Factors of 98 = 1, 2, 7, 14, 49, 98

GCF(434, 98) = 14

5) 315, 70

Factors of 315 = 1, 3, 5, 7, 9, 15, 21, 35, 45, 63, 105, 315

Factors of 70 = 1, 2, 5, 7, 10, 14, 35, 70

GCF(315, 70) = 35

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