



Determine the greatest common factor (GCF) of each set of numbers.

12, 16 To find the GCF of 12 & 16, first write down the factors of each number.

Factors of 12 $\frac{1}{1}, \frac{2}{2}, \frac{3}{3}, \frac{4}{4}, \frac{6}{6}, \frac{12}{12}$ Factors of 16 $\frac{1}{1}, \frac{2}{2}, \frac{4}{4}, \frac{8}{8}, \frac{16}{16}$

2 & 4 are factors both 12 and 16 have in common, with 4 being the greatest. So 4 is the GCF.

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

1) 21, 12

Factors of 21

2) 2, 8

Factors of 2

3) 6, 2

Factors of 6

4) 45, 20

Factors of 45

5) 42, 6

Factors of 42

6) 6, 33

Factors of 6

7) 24, 27

Factors of 24

8) 12, 20

Factors of 12

9) 21, 27

Factors of 21

Math

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1

1-9

89

78

67

56

44

33

22

11

0

GCF/LCM Worksheet

Find the greatest common factor of the following numbers.

1 a. 48, 40, 80	1 b. 75, 90, 45
2 a. 23, 86, 92	2 b. 80, 60, 10
3 a. 24, 72, 48	3 b. 42, 49, 21
4 a. 50, 60, 100	4 b. 96, 70, 58
5 a. 98, 84, 14	5 b. 72, 60, 84
6 a. 64, 48, 8	6 b. 33, 41, 94
7 a. 77, 55, 11	7 b. 70, 56, 14
8 a. 30, 15, 60	8 b. 15, 90, 60

Greatest Common Factor

Date _____ Period _____

Find the GCF of each.

1) 39, 6

2) 24, 28

3) 40, 10

4) $39v$, $30uv$

5) $35n^2m$, $21m^2n$

6) $30y^3$, $20y^2$

7) 54, 45

8) 25, 55

9) 68, 34

10) 54, 27

11) 55, 75

12) $66yx$, $30x^2y$

13) $60y$, $56x^2$

14) $36xy^3$, $24y^2$

15) $18y^2$, $54y^2$

16) $80x^3$, $30yx^2$

17) $105x$, $30yx$, $75x$

18) $140n$, $140m^2$, $80m^2$