Name:

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

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

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

Factors of 16   1 , 2 , 4 , 8 , 16

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

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

1) 39 , 28
Factors of 39   ___ , ___ , ___ , ___
Factors of 28   ___ , ___ , ___ , ___ , ___ , ___

2) 22 , 33
Factors of 22   ___ , ___ , ___ , ___
Factors of 33   ___ , ___ , ___ , ___

3) 14 , 2
Factors of 14   ___ , ___ , ___ , ___
Factors of 2   ___ , ___

4) 16 , 24
Factors of 16   ___ , ___ , ___ , ___ , ___
Factors of 24   ___ , ___ , ___ , ___ , ___ , ___ , ___ , ___

5) 6 , 30
Factors of 6   ___ , ___ , ___ , ___
Factors of 30   ___ , ___ , ___ , ___ , ___ , ___ , ___ , ___

6) 6 , 45
Factors of 6   ___ , ___ , ___ , ___
Factors of 45   ___ , ___ , ___ , ___ , ___ , ___

7) 6 , 9
Factors of 6   ___ , ___ , ___ , ___
Factors of 9   ___ , ___ , ___

8) 3 , 26
Factors of 3   ___ , ___
Factors of 26   ___ , ___ , ___ , ___

9) 24 , 20
Factors of 24   ___ , ___ , ___ , ___ , ___ , ___ , ___ , ___
Factors of 20   ___ , ___ , ___ , ___ , ___ , ___

1-9 | 89 | 78 | 67 | 56 | 44 | 33 | 22 | 11 | 0

Math

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

1) 39 , 28
Factors of 39   1 , 3 , 13 , 39
Factors of 28   1 , 2 , 4 , 7 , 14 , 28

2) 22 , 33
Factors of 22   1 , 2 , 11 , 22
Factors of 33   1 , 3 , 11 , 33

3) 14 , 2
Factors of 14   1 , 2 , 7 , 14
Factors of 2   1 , 2

4) 16 , 24
Factors of 16   1 , 2 , 4 , 8 , 16
Factors of 24   1 , 2 , 3 , 4 , 6 , 8 , 12 , 24

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

6) 6 , 45
Factors of 6   1 , 2 , 3 , 6
Factors of 45   1 , 3 , 5 , 9 , 15 , 45

7) 6 , 9
Factors of 6   1 , 2 , 3 , 6
Factors of 9   1 , 3 , 9

8) 3 , 26
Factors of 3   1 , 3
Factors of 26   1 , 2 , 13 , 26

9) 24 , 20
Factors of 24   1 , 2 , 3 , 4 , 6 , 8 , 12 , 24
Factors of 20   1 , 2 , 4 , 5 , 10 , 20

	Answers
1.	**1**
2.	**11**
3.	**2**
4.	**8**
5.	**6**
6.	**3**
7.	**3**
8.	**1**
9.	**4**

Math

1-9 | 89 | 78 | 67 | 56 | 44 | 33 | 22 | 11 | 0