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) 12 , 8

Factors of 12   ____ , ____ , ____ , ____ , ____ , ____

Factors of 8   ____ , ____ , ____ , ____

2) 28 , 14

Factors of 28   ____ , ____ , ____ , ____ , ____ , ____

Factors of 14   ____ , ____ , ____ , ____

3) 10 , 24

Factors of 10   ____ , ____ , ____ , ____

Factors of 24   ____ , ____ , ____ , ____ , ____ , ____ , ____ , ____

4) 20 , 18

Factors of 20   ____ , ____ , ____ , ____ , ____ , ____

Factors of 18   ____ , ____ , ____ , ____ , ____ , ____

5) 42 , 30

Factors of 42   ____ , ____ , ____ , ____ , ____ , ____ , ____ , ____

Factors of 30   ____ , ____ , ____ , ____ , ____ , ____ , ____ , ____

6) 10 , 6

Factors of 10   ____ , ____ , ____ , ____

Factors of 6   ____ , ____ , ____ , ____

7) 36 , 27

Factors of 36   ____ , ____ , ____ , ____ , ____ , ____ , ____ , ____ , ____

Factors of 27   ____ , ____ , ____ , ____

8) 9 , 6

Factors of 9   ____ , ____ , ____

Factors of 6   ____ , ____ , ____ , ____

9) 18 , 22

Factors of 18   ____ , ____ , ____ , ____ , ____ , ____

Factors of 22   ____ , ____ , ____ , ____

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Name:

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

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

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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. **4**

2. **14**

3. **2**

4. **2**

5. **6**

6. **2**

7. **9**

8. **3**

9. **2**

1) 12 , 8

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

Factors of 8   1 , 2 , 4 , 8

2) 28 , 14

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

Factors of 14   1 , 2 , 7 , 14

3) 10 , 24

Factors of 10   1 , 2 , 5 , 10

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

4) 20 , 18

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

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

5) 42 , 30

Factors of 42   1 , 2 , 3 , 6 , 7 , 14 , 21 , 42

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

6) 10 , 6

Factors of 10   1 , 2 , 5 , 10

Factors of 6   1 , 2 , 3 , 6

7) 36 , 27

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

Factors of 27   1 , 3 , 9 , 27

8) 9 , 6

Factors of 9   1 , 3 , 9

Factors of 6   1 , 2 , 3 , 6

9) 18 , 22

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

Factors of 22   1 , 2 , 11 , 22

Math

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