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

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

Factors of 12 1 , 2 , 3 , 4 , 6 , 12Factors 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) 20 , 6

Factors of 20 _____ , _____ , _____ , _____ , _____ , _____

Factors of 6 _____ , _____ , _____ , _____

2) 6 , 22

Factors of 6 _____ , _____ , _____ , _____

Factors of 22 _____ , _____ , _____ , _____

3) 24 , 33

Factors of 24 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

Factors of 33 _____ , _____ , _____ , _____

4) 6 , 42

Factors of 6 _____ , _____ , _____ , _____

Factors of 42 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

5) 9 , 12

Factors of 9 _____ , _____ , _____

Factors of 12 _____ , _____ , _____ , _____ , _____ , _____

6) 28 , 18

Factors of 28 _____ , _____ , _____ , _____ , _____ , _____

Factors of 18 _____ , _____ , _____ , _____ , _____ , _____

7) 8 , 4

Factors of 8 _____ , _____ , _____ , _____

Factors of 4 _____ , _____ , _____

8) 10 , 12

Factors of 10 _____ , _____ , _____ , _____

Factors of 12 _____ , _____ , _____ , _____ , _____ , _____

9) 24 , 6

Factors of 24 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

Factors of 6 _____ , _____ , _____ , _____

1. _____

2. _____

3. _____

4. _____

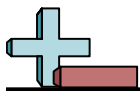
5. _____

6. _____

7. _____

8. _____

9. _____



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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.

Answers

1) 20 , 6

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

Factors of 6 1 , 2 , 3 , 6

2) 6 , 22

Factors of 6 1 , 2 , 3 , 6

Factors of 22 1 , 2 , 11 , 22

3) 24 , 33

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

Factors of 33 1 , 3 , 11 , 33

4) 6 , 42

Factors of 6 1 , 2 , 3 , 6

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

5) 9 , 12

Factors of 9 1 , 3 , 9

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

6) 28 , 18

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

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

7) 8 , 4

Factors of 8 1 , 2 , 4 , 8

Factors of 4 1 , 2 , 4

8) 10 , 12

Factors of 10 1 , 2 , 5 , 10

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

9) 24 , 6

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

Factors of 6 1 , 2 , 3 , 6

1. 2

2. 2

3. 3

4. 6

5. 3

6. 2

7. 4

8. 2

9. 6