



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

Answers

12 , 16 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) 21 , 12

Factors of 21 _____ , _____ , _____ , _____

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

2) 2 , 8

Factors of 2 _____ , _____

Factors of 8 _____ , _____ , _____ , _____

3) 6 , 2

Factors of 6 _____ , _____ , _____ , _____

Factors of 2 _____ , _____

4) 45 , 20

Factors of 45 _____ , _____ , _____ , _____ , _____ , _____

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

5) 42 , 6

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

Factors of 6 _____ , _____ , _____ , _____

6) 6 , 33

Factors of 6 _____ , _____ , _____ , _____

Factors of 33 _____ , _____ , _____ , _____

7) 24 , 27

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

Factors of 27 _____ , _____ , _____ , _____

8) 12 , 20

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

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

9) 21 , 27

Factors of 21 _____ , _____ , _____ , _____

Factors of 27 _____ , _____ , _____ , _____



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1) 21, 12

Factors of 21 1, 3, 7, 21

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

1. 3

2) 2, 8

Factors of 2 1, 2

Factors of 8 1, 2, 4, 8

2. 2

3) 6, 2

Factors of 6 1, 2, 3, 6

Factors of 2 1, 2

3. 2

4) 45, 20

Factors of 45 1, 3, 5, 9, 15, 45

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

4. 5

5) 42, 6

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

Factors of 6 1, 2, 3, 6

5. 6

6) 6, 33

Factors of 6 1, 2, 3, 6

Factors of 33 1, 3, 11, 33

6. 3

7) 24, 27

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

Factors of 27 1, 3, 9, 27

7. 3

8) 12, 20

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

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

8. 4

9) 21, 27

Factors of 21 1, 3, 7, 21

Factors of 27 1, 3, 9, 27

9. 3



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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) 9, 30

Factors of 9 _____, _____, _____

Factors of 30 _____, _____, _____, _____, _____, _____, _____, _____

2) 12, 4

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

Factors of 4 _____, _____, _____

3) 6, 9

Factors of 6 _____, _____, _____, _____

Factors of 9 _____, _____, _____

4) 18, 3

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

Factors of 3 _____, _____

5) 14, 4

Factors of 14 _____, _____, _____, _____

Factors of 4 _____, _____, _____

6) 18, 14

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

Factors of 14 _____, _____, _____, _____

7) 22, 30

Factors of 22 _____, _____, _____, _____

Factors of 30 _____, _____, _____, _____, _____, _____, _____, _____

8) 18, 45

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

Factors of 45 _____, _____, _____, _____, _____, _____

9) 16, 24

Factors of 16 _____, _____, _____, _____, _____

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



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

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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.

Answers

1) 9, 30

Factors of 9 1, 3, 9

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

2) 12, 4

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

Factors of 4 1, 2, 4

3) 6, 9

Factors of 6 1, 2, 3, 6

Factors of 9 1, 3, 9

4) 18, 3

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

Factors of 3 1, 3

5) 14, 4

Factors of 14 1, 2, 7, 14

Factors of 4 1, 2, 4

6) 18, 14

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

Factors of 14 1, 2, 7, 14

7) 22, 30

Factors of 22 1, 2, 11, 22

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

8) 18, 45

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

Factors of 45 1, 3, 5, 9, 15, 45

9) 16, 24

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

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

1. 3

2. 4

3. 3

4. 3

5. 2

6. 2

7. 2

8. 9

9. 8

9. 8



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

Answers

12 , 16 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) 24 , 20

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

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

2) 6 , 28

Factors of 6 _____ , _____ , _____ , _____

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

3) 30 , 8

Factors of 30 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

Factors of 8 _____ , _____ , _____ , _____

4) 3 , 27

Factors of 3 _____ , _____

Factors of 27 _____ , _____ , _____ , _____

5) 39 , 12

Factors of 39 _____ , _____ , _____ , _____

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

6) 33 , 24

Factors of 33 _____ , _____ , _____ , _____

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

7) 2 , 24

Factors of 2 _____ , _____

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

8) 42 , 21

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

Factors of 21 _____ , _____ , _____ , _____

9) 15 , 20

Factors of 15 _____ , _____ , _____ , _____

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

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____



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.

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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.

Answers

1) 24, 20

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

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

2) 6, 28

Factors of 6 1, 2, 3, 6

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

3) 30, 8

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

Factors of 8 1, 2, 4, 8

4) 3, 27

Factors of 3 1, 3

Factors of 27 1, 3, 9, 27

5) 39, 12

Factors of 39 1, 3, 13, 39

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

6) 33, 24

Factors of 33 1, 3, 11, 33

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

7) 2, 24

Factors of 2 1, 2

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

8) 42, 21

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

Factors of 21 1, 3, 7, 21

9) 15, 20

Factors of 15 1, 3, 5, 15

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

1. 4

2. 2

3. 2

4. 3

5. 3

6. 3

7. 2

8. 21

9. 5



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Answers

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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) 16 , 12

Factors of 16 _____ , _____ , _____ , _____ , _____

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

2) 4 , 30

Factors of 4 _____ , _____ , _____

Factors of 30 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

3) 10 , 22

Factors of 10 _____ , _____ , _____ , _____

Factors of 22 _____ , _____ , _____ , _____

4) 39 , 18

Factors of 39 _____ , _____ , _____ , _____

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

5) 24 , 15

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

Factors of 15 _____ , _____ , _____ , _____

6) 27 , 24

Factors of 27 _____ , _____ , _____ , _____

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

7) 3 , 42

Factors of 3 _____ , _____

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

8) 9 , 33

Factors of 9 _____ , _____ , _____

Factors of 33 _____ , _____ , _____ , _____

9) 12 , 6

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

Factors of 6 _____ , _____ , _____ , _____



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

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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.

Answers

1) 16, 12

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

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

2) 4, 30

Factors of 4 1, 2, 4

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

3) 10, 22

Factors of 10 1, 2, 5, 10

Factors of 22 1, 2, 11, 22

4) 39, 18

Factors of 39 1, 3, 13, 39

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

5) 24, 15

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

Factors of 15 1, 3, 5, 15

6) 27, 24

Factors of 27 1, 3, 9, 27

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

7) 3, 42

Factors of 3 1, 3

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

8) 9, 33

Factors of 9 1, 3, 9

Factors of 33 1, 3, 11, 33

9) 12, 6

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

Factors of 6 1, 2, 3, 6

1. 4

2. 2

3. 2

4. 3

5. 3

6. 3

7. 3

8. 3

9. 6



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1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

1) 36 , 24

Factors of 36 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

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

2) 12 , 27

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

Factors of 27 _____ , _____ , _____ , _____

3) 6 , 24

Factors of 6 _____ , _____ , _____ , _____

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

4) 30 , 20

Factors of 30 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

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

5) 30 , 18

Factors of 30 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

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

6) 6 , 22

Factors of 6 _____ , _____ , _____ , _____

Factors of 22 _____ , _____ , _____ , _____

7) 42 , 18

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

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

8) 12 , 30

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

Factors of 30 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

9) 3 , 21

Factors of 3 _____ , _____

Factors of 21 _____ , _____ , _____ , _____



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Answers

1) 36 , 24

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

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

2) 12 , 27

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

Factors of 27 1 , 3 , 9 , 27

3) 6 , 24

Factors of 6 1 , 2 , 3 , 6

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

4) 30 , 20

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

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

5) 30 , 18

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

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

6) 6 , 22

Factors of 6 1 , 2 , 3 , 6

Factors of 22 1 , 2 , 11 , 22

7) 42 , 18

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

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

8) 12 , 30

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

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

9) 3 , 21

Factors of 3 1 , 3

Factors of 21 1 , 3 , 7 , 21

1. 12

2. 3

3. 6

4. 10

5. 6

6. 2

7. 6

8. 6

9. 3



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1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

1) 12, 9

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

Factors of 9 _____, _____, _____

2) 18, 22

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

Factors of 22 _____, _____, _____, _____

3) 6, 3

Factors of 6 _____, _____, _____, _____

Factors of 3 _____, _____

4) 20, 30

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

Factors of 30 _____, _____, _____, _____, _____, _____, _____, _____

5) 18, 20

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

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

6) 8, 36

Factors of 8 _____, _____, _____, _____

Factors of 36 _____, _____, _____, _____, _____, _____, _____, _____, _____

7) 39, 30

Factors of 39 _____, _____, _____, _____

Factors of 30 _____, _____, _____, _____, _____, _____, _____, _____

8) 2, 28

Factors of 2 _____, _____

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

9) 30, 4

Factors of 30 _____, _____, _____, _____, _____, _____, _____, _____

Factors of 4 _____, _____, _____



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Factors of 9 1, 3, 9

2) 18, 22

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

Factors of 22 1, 2, 11, 22

3) 6, 3

Factors of 6 1, 2, 3, 6

Factors of 3 1, 3

4) 20, 30

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

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

5) 18, 20

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

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

6) 8, 36

Factors of 8 1, 2, 4, 8

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

7) 39, 30

Factors of 39 1, 3, 13, 39

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

8) 2, 28

Factors of 2 1, 2

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

9) 30, 4

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

Factors of 4 1, 2, 4

1. 3

2. 2

3. 3

4. 10

5. 2

6. 4

7. 3

8. 2

9. 2



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

2) 21 , 33

Factors of 21 _____ , _____ , _____ , _____

Factors of 33 _____ , _____ , _____ , _____

3) 30 , 12

Factors of 30 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

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

4) 10 , 6

Factors of 10 _____ , _____ , _____ , _____

Factors of 6 _____ , _____ , _____ , _____

5) 6 , 36

Factors of 6 _____ , _____ , _____ , _____

Factors of 36 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

6) 10 , 15

Factors of 10 _____ , _____ , _____ , _____

Factors of 15 _____ , _____ , _____ , _____

7) 30 , 6

Factors of 30 _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

Factors of 6 _____ , _____ , _____ , _____

8) 15 , 6

Factors of 15 _____ , _____ , _____ , _____

Factors of 6 _____ , _____ , _____ , _____

9) 45 , 42

Factors of 45 _____ , _____ , _____ , _____ , _____ , _____

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

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____



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

2) 21, 33

Factors of 21 1, 3, 7, 21

Factors of 33 1, 3, 11, 33

3) 30, 12

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

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

4) 10, 6

Factors of 10 1, 2, 5, 10

Factors of 6 1, 2, 3, 6

5) 6, 36

Factors of 6 1, 2, 3, 6

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

6) 10, 15

Factors of 10 1, 2, 5, 10

Factors of 15 1, 3, 5, 15

7) 30, 6

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

Factors of 6 1, 2, 3, 6

8) 15, 6

Factors of 15 1, 3, 5, 15

Factors of 6 1, 2, 3, 6

9) 45, 42

Factors of 45 1, 3, 5, 9, 15, 45

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

1. 4

2. 3

3. 6

4. 2

5. 6

6. 5

7. 6

8. 3

9. 3



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1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

1) 6, 9

Factors of 6 _____, _____, _____, _____

Factors of 9 _____, _____, _____

2) 30, 4

Factors of 30 _____, _____, _____, _____, _____, _____, _____, _____

Factors of 4 _____, _____, _____

3) 18, 30

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

Factors of 30 _____, _____, _____, _____, _____, _____, _____, _____

4) 12, 39

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

Factors of 39 _____, _____, _____, _____

5) 18, 15

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

Factors of 15 _____, _____, _____, _____

6) 26, 14

Factors of 26 _____, _____, _____, _____

Factors of 14 _____, _____, _____, _____

7) 24, 26

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

Factors of 26 _____, _____, _____, _____

8) 36, 9

Factors of 36 _____, _____, _____, _____, _____, _____, _____, _____, _____, _____

Factors of 9 _____, _____, _____

9) 18, 36

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

Factors of 36 _____, _____, _____, _____, _____, _____, _____, _____, _____, _____



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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.

Answers

1) 6, 9

Factors of 6 1, 2, 3, 6

Factors of 9 1, 3, 9

1. 3

2) 30, 4

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

Factors of 4 1, 2, 4

2. 2

3) 18, 30

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

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

3. 6

4) 12, 39

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

Factors of 39 1, 3, 13, 39

4. 3

5) 18, 15

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

Factors of 15 1, 3, 5, 15

5. 3

6) 26, 14

Factors of 26 1, 2, 13, 26

Factors of 14 1, 2, 7, 14

6. 2

7) 24, 26

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

Factors of 26 1, 2, 13, 26

7. 2

8) 36, 9

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

Factors of 9 1, 3, 9

8. 9

9) 18, 36

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

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

9. 18



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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) 9, 12

Factors of 9 _____, _____, _____

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

2) 20, 22

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

Factors of 22 _____, _____, _____, _____

3) 45, 18

Factors of 45 _____, _____, _____, _____, _____, _____

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

4) 6, 24

Factors of 6 _____, _____, _____, _____

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

5) 16, 36

Factors of 16 _____, _____, _____, _____, _____

Factors of 36 _____, _____, _____, _____, _____, _____, _____, _____, _____, _____

6) 6, 3

Factors of 6 _____, _____, _____, _____

Factors of 3 _____, _____

7) 27, 30

Factors of 27 _____, _____, _____, _____

Factors of 30 _____, _____, _____, _____, _____, _____, _____, _____

8) 20, 6

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

Factors of 6 _____, _____, _____, _____

9) 26, 30

Factors of 26 _____, _____, _____, _____

Factors of 30 _____, _____, _____, _____, _____, _____, _____, _____



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 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.

Answers

1) 9, 12

Factors of 9 1, 3, 9

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

2) 20, 22

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

Factors of 22 1, 2, 11, 22

3) 45, 18

Factors of 45 1, 3, 5, 9, 15, 45

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

4) 6, 24

Factors of 6 1, 2, 3, 6

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

5) 16, 36

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

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

6) 6, 3

Factors of 6 1, 2, 3, 6

Factors of 3 1, 3

7) 27, 30

Factors of 27 1, 3, 9, 27

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

8) 20, 6

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

Factors of 6 1, 2, 3, 6

9) 26, 30

Factors of 26 1, 2, 13, 26

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

1. 3

2. 2

3. 9

4. 6

5. 4

6. 3

7. 3

8. 2

9. 2



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

Answers

12, 16 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) 24, 39

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

Factors of 39 _____, _____, _____, _____

2) 42, 39

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

Factors of 39 _____, _____, _____, _____

3) 6, 24

Factors of 6 _____, _____, _____, _____

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

4) 12, 30

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

Factors of 30 _____, _____, _____, _____, _____, _____, _____, _____

5) 30, 33

Factors of 30 _____, _____, _____, _____, _____, _____, _____, _____

Factors of 33 _____, _____, _____, _____

6) 12, 6

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

Factors of 6 _____, _____, _____, _____

7) 27, 30

Factors of 27 _____, _____, _____, _____

Factors of 30 _____, _____, _____, _____, _____, _____, _____, _____

8) 45, 18

Factors of 45 _____, _____, _____, _____, _____, _____

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

9) 45, 9

Factors of 45 _____, _____, _____, _____, _____, _____

Factors of 9 _____, _____, _____



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 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.

Answers

1) 24, 39

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

Factors of 39 1, 3, 13, 39

2) 42, 39

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

Factors of 39 1, 3, 13, 39

3) 6, 24

Factors of 6 1, 2, 3, 6

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

4) 12, 30

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

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

5) 30, 33

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

Factors of 33 1, 3, 11, 33

6) 12, 6

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

Factors of 6 1, 2, 3, 6

7) 27, 30

Factors of 27 1, 3, 9, 27

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

8) 45, 18

Factors of 45 1, 3, 5, 9, 15, 45

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

9) 45, 9

Factors of 45 1, 3, 5, 9, 15, 45

Factors of 9 1, 3, 9

1. 3

2. 3

3. 6

4. 6

5. 3

6. 6

7. 3

8. 9

9. 9