



**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 , 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) 33 , 24

Factors of 33    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

2) 6 , 33

Factors of 6    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 33    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

3) 33 , 8

Factors of 33    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 8    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

4) 16 , 12

Factors of 16    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 12    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

5) 24 , 14

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 14    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

6) 28 , 22

Factors of 28    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 22    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

7) 12 , 6

Factors of 12    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 6    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

8) 30 , 12

Factors of 30    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 12    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

9) 21 , 39

Factors of 21    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 39    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_



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.

Answers

1) 33 , 24

Factors of 33    1 , 3 , 11 , 33

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

1. 3

2) 6 , 33

Factors of 6    1 , 2 , 3 , 6

Factors of 33    1 , 3 , 11 , 33

2. 3

3) 33 , 8

Factors of 33    1 , 3 , 11 , 33

Factors of 8    1 , 2 , 4 , 8

3. 1

4) 16 , 12

Factors of 16    1 , 2 , 4 , 8 , 16

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

4. 4

5) 24 , 14

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

Factors of 14    1 , 2 , 7 , 14

5. 2

6) 28 , 22

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

Factors of 22    1 , 2 , 11 , 22

6. 2

7) 12 , 6

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

Factors of 6    1 , 2 , 3 , 6

7. 6

8) 30 , 12

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

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

8. 6

9) 21 , 39

Factors of 21    1 , 3 , 7 , 21

Factors of 39    1 , 3 , 13 , 39

9. 3



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

**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) 45 , 12

Factors of 45    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 12    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

2) 18 , 21

Factors of 18    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 21    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

3) 14 , 39

Factors of 14    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 39    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

4) 15 , 18

Factors of 15    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 18    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

5) 3 , 12

Factors of 3    \_\_\_\_\_ , \_\_\_\_\_

Factors of 12    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

6) 12 , 28

Factors of 12    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 28    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

7) 3 , 22

Factors of 3    \_\_\_\_\_ , \_\_\_\_\_

Factors of 22    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

8) 12 , 30

Factors of 12    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 30    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

9) 18 , 20

Factors of 18    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 20    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_



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

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Answers

1) 45 , 12

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

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

1. 3

2) 18 , 21

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

Factors of 21    1 , 3 , 7 , 21

2. 3

3) 14 , 39

Factors of 14    1 , 2 , 7 , 14

Factors of 39    1 , 3 , 13 , 39

3. 1

4) 15 , 18

Factors of 15    1 , 3 , 5 , 15

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

4. 3

5) 3 , 12

Factors of 3    1 , 3

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

5. 3

6) 12 , 28

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

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

6. 4

7) 3 , 22

Factors of 3    1 , 3

Factors of 22    1 , 2 , 11 , 22

7. 1

8) 12 , 30

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

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

8. 6

9) 18 , 20

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

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

9. 2



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

**Answers**

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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) 16 , 12

Factors of 16    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 12    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

2) 16 , 33

Factors of 16    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 33    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

3) 36 , 16

Factors of 36    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 16    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

4) 6 , 24

Factors of 6    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

5) 12 , 6

Factors of 12    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 6    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

6) 10 , 22

Factors of 10    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 22    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

7) 28 , 36

Factors of 28    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 36    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

8) 30 , 22

Factors of 30    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 22    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

9) 33 , 42

Factors of 33    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 42    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_



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

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Answers

1) 16, 12

Factors of 16    1 , 2 , 4 , 8 , 16

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

1. 4

2) 16, 33

Factors of 16    1 , 2 , 4 , 8 , 16

Factors of 33    1 , 3 , 11 , 33

2. 1

3) 36, 16

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

Factors of 16    1 , 2 , 4 , 8 , 16

3. 4

4) 6, 24

Factors of 6    1 , 2 , 3 , 6

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

4. 6

5) 12, 6

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

Factors of 6    1 , 2 , 3 , 6

5. 6

6) 10, 22

Factors of 10    1 , 2 , 5 , 10

Factors of 22    1 , 2 , 11 , 22

6. 2

7) 28, 36

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

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

7. 4

8) 30, 22

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

Factors of 22    1 , 2 , 11 , 22

8. 2

9) 33, 42

Factors of 33    1 , 3 , 11 , 33

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

9. 3



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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) 6 , 21

Factors of 6    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 21    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

2) 27 , 28

Factors of 27    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 28    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

3) 14 , 24

Factors of 14    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

4) 24 , 45

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 45    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

5) 2 , 24

Factors of 2    \_\_\_\_\_ , \_\_\_\_\_

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

6) 14 , 18

Factors of 14    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 18    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

7) 12 , 24

Factors of 12    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

8) 2 , 45

Factors of 2    \_\_\_\_\_ , \_\_\_\_\_

Factors of 45    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

9) 21 , 16

Factors of 21    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 16    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_



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) 6 , 21

Factors of 6    1 , 2 , 3 , 6

Factors of 21    1 , 3 , 7 , 21

1. 3

2) 27 , 28

Factors of 27    1 , 3 , 9 , 27

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

2. 1

3. 2

4. 3

5. 2

6. 2

3) 14 , 24

Factors of 14    1 , 2 , 7 , 14

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

7. 12

8. 1

4) 24 , 45

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

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

9. 1

5) 2 , 24

Factors of 2    1 , 2

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

6) 14 , 18

Factors of 14    1 , 2 , 7 , 14

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

7) 12 , 24

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

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

8) 2 , 45

Factors of 2    1 , 2

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

9) 21 , 16

Factors of 21    1 , 3 , 7 , 21

Factors of 16    1 , 2 , 4 , 8 , 16





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Factors of 6    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 9    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

2) 45 , 33

Factors of 45    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 33    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

3) 45 , 20

Factors of 45    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 20    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

4) 20 , 33

Factors of 20    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 33    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

5) 4 , 26

Factors of 4    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 26    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

6) 28 , 15

Factors of 28    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 15    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

7) 10 , 12

Factors of 10    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 12    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

8) 30 , 36

Factors of 30    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 36    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

9) 39 , 22

Factors of 39    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 22    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_



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Answers

1) 6 , 9

Factors of 6    1 , 2 , 3 , 6

Factors of 9    1 , 3 , 9

1. 3

2) 45 , 33

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

Factors of 33    1 , 3 , 11 , 33

2. 3

3) 45 , 20

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

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

3. 5

4) 20 , 33

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

Factors of 33    1 , 3 , 11 , 33

4. 1

5) 4 , 26

Factors of 4    1 , 2 , 4

Factors of 26    1 , 2 , 13 , 26

5. 2

6) 28 , 15

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

Factors of 15    1 , 3 , 5 , 15

6. 1

7) 10 , 12

Factors of 10    1 , 2 , 5 , 10

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

7. 2

8) 30 , 36

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

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

8. 6

9) 39 , 22

Factors of 39    1 , 3 , 13 , 39

Factors of 22    1 , 2 , 11 , 22

9. 1



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1) 24 , 2

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 2    \_\_\_\_\_ , \_\_\_\_\_

2) 30 , 22

Factors of 30    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 22    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

3) 26 , 21

Factors of 26    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 21    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

4) 18 , 24

Factors of 18    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

5) 27 , 6

Factors of 27    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 6    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

6) 6 , 24

Factors of 6    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

7) 18 , 9

Factors of 18    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 9    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

8) 45 , 42

Factors of 45    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 42    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

9) 15 , 3

Factors of 15    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 3    \_\_\_\_\_ , \_\_\_\_\_

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_



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.

Answers

1) 24 , 2

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

Factors of 2    1 , 2

1. 2

2) 30 , 22

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

Factors of 22    1 , 2 , 11 , 22

2. 2

3. 1

4. 6

5. 3

3) 26 , 21

Factors of 26    1 , 2 , 13 , 26

Factors of 21    1 , 3 , 7 , 21

6. 6

7. 9

8. 3

4) 18 , 24

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

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

9. 3

5) 27 , 6

Factors of 27    1 , 3 , 9 , 27

Factors of 6    1 , 2 , 3 , 6

6) 6 , 24

Factors of 6    1 , 2 , 3 , 6

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

7) 18 , 9

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

Factors of 9    1 , 3 , 9

8) 45 , 42

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

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

9) 15 , 3

Factors of 15    1 , 3 , 5 , 15

Factors of 3    1 , 3



**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 , 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) 8 , 6

Factors of 8    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 6    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

2) 28 , 10

Factors of 28    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 10    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

3) 12 , 22

Factors of 12    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 22    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

4) 24 , 18

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 18    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

5) 2 , 15

Factors of 2    \_\_\_\_\_ , \_\_\_\_\_

Factors of 15    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

6) 15 , 12

Factors of 15    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 12    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

7) 22 , 24

Factors of 22    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

8) 20 , 42

Factors of 20    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 42    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

9) 6 , 22

Factors of 6    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 22    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_



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.

Answers

1) 8 , 6

Factors of 8    1 , 2 , 4 , 8

Factors of 6    1 , 2 , 3 , 6

2) 28 , 10

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

Factors of 10    1 , 2 , 5 , 10

3) 12 , 22

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

Factors of 22    1 , 2 , 11 , 22

4) 24 , 18

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

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

5) 2 , 15

Factors of 2    1 , 2

Factors of 15    1 , 3 , 5 , 15

6) 15 , 12

Factors of 15    1 , 3 , 5 , 15

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

7) 22 , 24

Factors of 22    1 , 2 , 11 , 22

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

8) 20 , 42

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

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

9) 6 , 22

Factors of 6    1 , 2 , 3 , 6

Factors of 22    1 , 2 , 11 , 22

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



**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 , 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 , 6

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 6    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

2) 24 , 4

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 4    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

3) 15 , 26

Factors of 15    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 26    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

4) 42 , 20

Factors of 42    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 20    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

5) 9 , 26

Factors of 9    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 26    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

6) 36 , 28

Factors of 36    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 28    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

7) 36 , 22

Factors of 36    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 22    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

8) 12 , 9

Factors of 12    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 9    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

9) 26 , 16

Factors of 26    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 16    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_



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.

**Answers**

1) 24 , 6

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

Factors of 6    1 , 2 , 3 , 6

1. 6

2) 24 , 4

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

Factors of 4    1 , 2 , 4

2. 4

3) 15 , 26

Factors of 15    1 , 3 , 5 , 15

Factors of 26    1 , 2 , 13 , 26

3. 1

4) 42 , 20

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

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

4. 2

5) 9 , 26

Factors of 9    1 , 3 , 9

Factors of 26    1 , 2 , 13 , 26

5. 1

6) 36 , 28

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

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

6. 4

7) 36 , 22

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

Factors of 22    1 , 2 , 11 , 22

7. 2

8) 12 , 9

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

Factors of 9    1 , 3 , 9

8. 3

9) 26 , 16

Factors of 26    1 , 2 , 13 , 26

Factors of 16    1 , 2 , 4 , 8 , 16

9. 2





**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 , 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) 12 , 24

Factors of 12    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

2) 33 , 45

Factors of 33    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 45    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

3) 24 , 20

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 20    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

4) 8 , 45

Factors of 8    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 45    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

5) 33 , 2

Factors of 33    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 2    \_\_\_\_\_ , \_\_\_\_\_

6) 26 , 24

Factors of 26    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

7) 24 , 8

Factors of 24    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 8    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

8) 14 , 2

Factors of 14    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 2    \_\_\_\_\_ , \_\_\_\_\_

9) 42 , 30

Factors of 42    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 30    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_



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.

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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) 12 , 24

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

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

1. 12

2) 33 , 45

Factors of 33    1 , 3 , 11 , 33

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

2. 3

3) 24 , 20

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

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

3. 4

4) 8 , 45

Factors of 8    1 , 2 , 4 , 8

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

4. 1

5) 33 , 2

Factors of 33    1 , 3 , 11 , 33

Factors of 2    1 , 2

5. 1

6) 26 , 24

Factors of 26    1 , 2 , 13 , 26

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

6. 2

7) 24 , 8

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

Factors of 8    1 , 2 , 4 , 8

7. 8

8) 14 , 2

Factors of 14    1 , 2 , 7 , 14

Factors of 2    1 , 2

8. 2

9) 42 , 30

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

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

9. 6



**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.

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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) 27 , 36

Factors of 27    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 36    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

2) 42 , 30

Factors of 42    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 30    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

3) 21 , 18

Factors of 21    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 18    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

4) 39 , 33

Factors of 39    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 33    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

5) 33 , 8

Factors of 33    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 8    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

6) 42 , 28

Factors of 42    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 28    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

7) 27 , 8

Factors of 27    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 8    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

8) 9 , 16

Factors of 9    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 16    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

9) 6 , 36

Factors of 6    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

Factors of 36    \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_



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

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Answers

1) 27 , 36

Factors of 27    1 , 3 , 9 , 27

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

1. 9

2) 42 , 30

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

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

2. 6

3. 3

4. 3

3) 21 , 18

Factors of 21    1 , 3 , 7 , 21

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

5. 1

6. 14

7. 1

4) 39 , 33

Factors of 39    1 , 3 , 13 , 39

Factors of 33    1 , 3 , 11 , 33

8. 1

9. 6

5) 33 , 8

Factors of 33    1 , 3 , 11 , 33

Factors of 8    1 , 2 , 4 , 8

6) 42 , 28

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

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

7) 27 , 8

Factors of 27    1 , 3 , 9 , 27

Factors of 8    1 , 2 , 4 , 8

8) 9 , 16

Factors of 9    1 , 3 , 9

Factors of 16    1 , 2 , 4 , 8 , 16

9) 6 , 36

Factors of 6    1 , 2 , 3 , 6

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