



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) 14 , 4

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

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

2) 28 , 42

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

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

3) 6 , 28

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

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

4) 6 , 12

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

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

5) 12 , 45

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

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

6) 26 , 14

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

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

7) 12 , 4

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

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

8) 3 , 39

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

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

9) 18 , 24

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

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

- 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) 14, 4

Factors of 14 1, 2, 7, 14

Factors of 4 1, 2, 4

1. 2

2) 28, 42

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

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

2. 14

3) 6, 28

Factors of 6 1, 2, 3, 6

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

3. 2

4) 6, 12

Factors of 6 1, 2, 3, 6

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

4. 6

5) 12, 45

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

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

5. 3

6) 26, 14

Factors of 26 1, 2, 13, 26

Factors of 14 1, 2, 7, 14

6. 2

7) 12, 4

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

Factors of 4 1, 2, 4

7. 4

8) 3, 39

Factors of 3 1, 3

Factors of 39 1, 3, 13, 39

8. 3

9) 18, 24

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

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

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.

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 , 18

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

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

2) 4 , 24

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

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

3) 18 , 9

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

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

4) 21 , 45

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

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

5) 20 , 2

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

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

6) 2 , 18

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

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

7) 21 , 15

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

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

8) 6 , 45

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

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

9) 24 , 20

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

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

- 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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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) 12, 18

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

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

2) 4, 24

Factors of 4 1, 2, 4

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

3) 18, 9

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

Factors of 9 1, 3, 9

4) 21, 45

Factors of 21 1, 3, 7, 21

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

5) 20, 2

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

Factors of 2 1, 2

6) 2, 18

Factors of 2 1, 2

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

7) 21, 15

Factors of 21 1, 3, 7, 21

Factors of 15 1, 3, 5, 15

8) 6, 45

Factors of 6 1, 2, 3, 6

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

9) 24, 20

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

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

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



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**Answers**

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

1) 39 , 6

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

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

2) 42 , 26

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

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

3) 4 , 30

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

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

4) 22 , 6

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

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

5) 42 , 30

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

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

6) 24 , 22

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

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

7) 20 , 12

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

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

8) 3 , 12

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

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

9) 2 , 30

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

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



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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) 39, 6

Factors of 39 1, 3, 13, 39

Factors of 6 1, 2, 3, 6

1. 3

2) 42, 26

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

Factors of 26 1, 2, 13, 26

2. 2

3) 4, 30

Factors of 4 1, 2, 4

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

3. 2

4) 22, 6

Factors of 22 1, 2, 11, 22

Factors of 6 1, 2, 3, 6

4. 2

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

5. 6

6) 24, 22

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

Factors of 22 1, 2, 11, 22

6. 2

7) 20, 12

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

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

7. 4

8) 3, 12

Factors of 3 1, 3

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

8. 3

9) 2, 30

Factors of 2 1, 2

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

9. 2



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1) 3, 18

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

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

2) 22, 8

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

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

3) 36, 3

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

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

4) 24, 39

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

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

5) 30, 8

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

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

6) 10, 26

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

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

7) 36, 14

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

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

8) 30, 20

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

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

9) 18, 42

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

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

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Answers

1) 3, 18

Factors of 3 1, 3

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

1. 3

2) 22, 8

Factors of 22 1, 2, 11, 22

Factors of 8 1, 2, 4, 8

2. 2

3) 36, 3

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

Factors of 3 1, 3

3. 3

4) 24, 39

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

Factors of 39 1, 3, 13, 39

4. 3

5) 30, 8

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

Factors of 8 1, 2, 4, 8

5. 2

6) 10, 26

Factors of 10 1, 2, 5, 10

Factors of 26 1, 2, 13, 26

6. 2

7) 36, 14

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

Factors of 14 1, 2, 7, 14

7. 2

8) 30, 20

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

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

8. 10

9) 18, 42

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

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

9. 6





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

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

2) 9 , 36

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

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

3) 30 , 10

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

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

4) 24 , 16

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

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

5) 12 , 33

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

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

6) 20 , 10

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

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

7) 4 , 24

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

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

8) 24 , 14

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

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

9) 45 , 6

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

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

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



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Answers

1) 6, 16

Factors of 6 1, 2, 3, 6  
 Factors of 16 1, 2, 4, 8, 16

2) 9, 36

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

3) 30, 10

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

4) 24, 16

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

5) 12, 33

Factors of 12 1, 2, 3, 4, 6, 12  
 Factors of 33 1, 3, 11, 33

6) 20, 10

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

7) 4, 24

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

8) 24, 14

Factors of 24 1, 2, 3, 4, 6, 8, 12, 24  
 Factors of 14 1, 2, 7, 14

9) 45, 6

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

- 1. 2
- 2. 9
- 3. 10
- 4. 8
- 5. 3
- 6. 10
- 7. 4
- 8. 2
- 9. 3



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

1) 18 , 2

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

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

2) 9 , 12

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

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

3) 6 , 9

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

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

4) 8 , 12

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

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

5) 4 , 18

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

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

6) 10 , 6

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

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

7) 20 , 36

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

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

8) 16 , 30

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

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

9) 42 , 15

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

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



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) 18, 2

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

Factors of 2 1, 2

1. 2

2) 9, 12

Factors of 9 1, 3, 9

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

2. 3

3) 6, 9

Factors of 6 1, 2, 3, 6

Factors of 9 1, 3, 9

3. 3

4) 8, 12

Factors of 8 1, 2, 4, 8

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

4. 4

5) 4, 18

Factors of 4 1, 2, 4

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

5. 2

6) 10, 6

Factors of 10 1, 2, 5, 10

Factors of 6 1, 2, 3, 6

6. 2

7) 20, 36

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

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

7. 4

8) 16, 30

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

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

8. 2

9) 42, 15

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

Factors of 15 1, 3, 5, 15

9. 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) 18 , 28

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

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

2) 6 , 3

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

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

3) 33 , 45

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

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

4) 9 , 24

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

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

5) 39 , 6

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

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

6) 2 , 6

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

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

7) 14 , 4

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

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

8) 15 , 24

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

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

9) 3 , 45

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

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

- 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) 18, 28

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

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

2) 6, 3

Factors of 6 1, 2, 3, 6

Factors of 3 1, 3

3) 33, 45

Factors of 33 1, 3, 11, 33

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

4) 9, 24

Factors of 9 1, 3, 9

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

5) 39, 6

Factors of 39 1, 3, 13, 39

Factors of 6 1, 2, 3, 6

6) 2, 6

Factors of 2 1, 2

Factors of 6 1, 2, 3, 6

7) 14, 4

Factors of 14 1, 2, 7, 14

Factors of 4 1, 2, 4

8) 15, 24

Factors of 15 1, 3, 5, 15

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

9) 3, 45

Factors of 3 1, 3

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

- 1. 2
- 2. 3
- 3. 3
- 4. 3
- 5. 3
- 6. 2
- 7. 2
- 8. 3
- 9. 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) 14 , 6

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

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

2) 4 , 30

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

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

3) 12 , 6

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

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

4) 2 , 14

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

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

5) 26 , 12

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

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

6) 22 , 12

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

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

7) 10 , 36

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

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

8) 42 , 20

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

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

9) 33 , 24

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

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

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) 14, 6

Factors of 14 1, 2, 7, 14

Factors of 6 1, 2, 3, 6

1. 2

2) 4, 30

Factors of 4 1, 2, 4

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

2. 2

3) 12, 6

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

Factors of 6 1, 2, 3, 6

3. 6

4) 2, 14

Factors of 2 1, 2

Factors of 14 1, 2, 7, 14

4. 2

5) 26, 12

Factors of 26 1, 2, 13, 26

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

5. 2

6) 22, 12

Factors of 22 1, 2, 11, 22

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

6. 2

7) 10, 36

Factors of 10 1, 2, 5, 10

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

7. 2

8) 42, 20

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

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

8. 2

9) 33, 24

Factors of 33 1, 3, 11, 33

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

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

1) 33 , 39

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

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

2) 18 , 21

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

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

3) 24 , 30

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

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

4) 45 , 18

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

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

5) 18 , 42

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

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

6) 15 , 21

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

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

7) 3 , 21

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

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

8) 3 , 24

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

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

9) 12 , 9

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

Factors of 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, 39

Factors of 33 1, 3, 11, 33

Factors of 39 1, 3, 13, 39

1. 3

2) 18, 21

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

Factors of 21 1, 3, 7, 21

2. 3

3) 24, 30

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

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

3. 6

4) 45, 18

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

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

4. 9

5) 18, 42

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

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

5. 6

6) 15, 21

Factors of 15 1, 3, 5, 15

Factors of 21 1, 3, 7, 21

6. 3

7) 3, 21

Factors of 3 1, 3

Factors of 21 1, 3, 7, 21

7. 3

8) 3, 24

Factors of 3 1, 3

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

8. 3

9) 12, 9

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

Factors of 9 1, 3, 9

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

1) 6 , 30

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

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

2) 4 , 28

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

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

3) 24 , 10

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

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

4) 36 , 18

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

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

5) 42 , 22

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

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

6) 22 , 6

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

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

7) 28 , 30

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

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

8) 6 , 20

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

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

9) 30 , 42

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

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



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) 6, 30

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

2) 4, 28

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

3) 24, 10

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

4) 36, 18

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

5) 42, 22

Factors of 42 1, 2, 3, 6, 7, 14, 21, 42  
 Factors of 22 1, 2, 11, 22

6) 22, 6

Factors of 22 1, 2, 11, 22  
 Factors of 6 1, 2, 3, 6

7) 28, 30

Factors of 28 1, 2, 4, 7, 14, 28  
 Factors of 30 1, 2, 3, 5, 6, 10, 15, 30

8) 6, 20

Factors of 6 1, 2, 3, 6  
 Factors of 20 1, 2, 4, 5, 10, 20

9) 30, 42

Factors of 30 1, 2, 3, 5, 6, 10, 15, 30  
 Factors of 42 1, 2, 3, 6, 7, 14, 21, 42

- 1. 6
- 2. 4
- 3. 2
- 4. 18
- 5. 2
- 6. 2
- 7. 2
- 8. 2
- 9. 6