

Mathematics

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Highest Common Factor

Find the common factors and the highest common factor of the given numbers.  
One has been solved for you to get the idea.

12 and 28

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

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

Common factors of 12 and 28 = 1, 2 and 4

Highest common factor (HCF) of 12 and 28 = 4

1. 16 and 24

- Factors of 16 = \_\_\_\_\_
- Factors of 24 = \_\_\_\_\_
- Common factors of 16 and 24 = \_\_\_\_\_
- Highest common factor (HCF) of 16 and 24 = \_\_\_\_\_

2. 28 and 35

- Factors of 35 = \_\_\_\_\_
- Factors of 28 = \_\_\_\_\_
- Common factors of 28 and 35 = \_\_\_\_\_
- Highest common factor (HCF) of 28 and 35 = \_\_\_\_\_

3. 48 and 60

- Factors of 48 = \_\_\_\_\_
- Factors of 60 = \_\_\_\_\_

- Common factors of 48 and 60 = \_\_\_\_\_
- Highest common factor (HCF) of 48 and 60 = \_\_\_\_\_

4. 15, 52 and 65

- Factors of 15 = \_\_\_\_\_
- Factors of 52 = \_\_\_\_\_
- Factors of 65 = \_\_\_\_\_
- Common factors of 15, 52 and 65 = \_\_\_\_\_
- Highest common factor (HCF) of 15, 52 and 65 = \_\_\_\_\_

5. 15, 18 and 30

- Factors of 15 = \_\_\_\_\_
- Factors of 18 = \_\_\_\_\_
- Factors of 30 = \_\_\_\_\_
- Common factors of 15, 18 and 30 = \_\_\_\_\_
- Highest common factor (HCF) of 15, 18 and 30 = \_\_\_\_\_

6. 42, 54 and 64

- Factors of 42 = \_\_\_\_\_
- Factors of 54 = \_\_\_\_\_
- Factors of 64 = \_\_\_\_\_
- Common factors of 42, 54 and 64 = \_\_\_\_\_
- Highest common factor (HCF) of 42, 54 and 64 = \_\_\_\_\_

7. 15 and 12

- Factors of 15 = \_\_\_\_\_
- Factors of 12 = \_\_\_\_\_
- Common factors of 15 and 12 = \_\_\_\_\_
- Highest common factor (HCF) of 15 and 12 = \_\_\_\_\_

8. 14 and 21

- Factors of 14 = \_\_\_\_\_
- Factors of 21 = \_\_\_\_\_
- Common factors of 14 and 21 = \_\_\_\_\_
- Highest common factor (HCF) of 14 and 21 = \_\_\_\_\_

9. 42 and 49

- Factors of 42 = \_\_\_\_\_
- Factors of 49 = \_\_\_\_\_
- Common factors of 42 and 49 = \_\_\_\_\_
- Highest common factor (HCF) of 42 and 49 = \_\_\_\_\_

10. 44, 66 and 110

- Factors of 44 = \_\_\_\_\_
- Factors of 66 = \_\_\_\_\_
- Factors of 110 = \_\_\_\_\_
- Common factors of 44, 66 and 110 = \_\_\_\_\_
- Highest common factor (HCF) of 44, 66 and 110 = \_\_\_\_\_