

Name _____

Factors

Tues.

1. List all the ways to factor 15.

$1 \times 15, 5 \times 3$

2. List all the ways to factor 16.

$1 \times 16, 2 \times 8, 4 \times 4, 2 \times 2 \times 4, 2 \times 2 \times 2 \times 2$
 $2^2 \times 4, 2^4$

List all the factors for each number.

Monday

3. 45

$1, 3, 5, 9, 15, 45$

5. 32

$1, 2, 4, 8, 16, 32$

4. 81

$1, 3, 9, 27, 81$

6. 21

$1, 3, 7, 21$

Find the common factors for each set of numbers. Tuesday

Tues.

7. 14, 21

$1, 7$

8. 18, 24, 48

$1, 2, 3, 6$

Write the prime factorization of each number. Tuesday

9. 56

$2^3 \times 7$

10. 40

$2^3 \times 5$

Find the GCF for each set of numbers. Wednesday

Thurs.

11. 5, 15

5

13. 32, 48

16

15. 40, 60, 80

20

$$\begin{array}{r|l} 5 & 5 \ 15 \\ \hline & 1 \ 3 \end{array}$$

$$\begin{array}{r|ll} 16 & 32 & 48 \\ \hline & 2 & 3 \end{array}$$

12. 7, 30

1

14. 15, 25, 75

5

16. 64, 144

16

$$\begin{array}{r|ll} 8 & 64 & 144 \\ \hline 2 & 8 & 18 \\ & 4 & 9 \end{array}$$