

Common Factors

Some **whole numbers** share some of the same **factors**. Numbers that do this are said to have **common factors**.

For Example: the **factors** of 12 are: $\left(\begin{array}{c} 1 \\ 1 \end{array} \right), \left(\begin{array}{c} 2 \\ 2 \end{array} \right), 3, \left(\begin{array}{c} 4 \\ 4 \end{array} \right), 6, 12$
the **factors** of 8 are: $\left(\begin{array}{c} 1 \\ 1 \end{array} \right), \left(\begin{array}{c} 2 \\ 2 \end{array} \right), \left(\begin{array}{c} 4 \\ 4 \end{array} \right), 8$

Other than the **number 1**, 12 and 8 share **common factors** of 2 and 4. The larger of these **common factors** is known as the **greatest common factor**.

Look at each **pair of numbers**. List all the **factors** for each number. Put a ring around any **common factors**. Underline the **greatest common factor**.

1. 20 _____
32 _____

2. 25 _____
10 _____

3. 14 _____
16 _____

4. 30 _____
15 _____

5. 66 _____
6 _____

6. 54 _____
27 _____

7. 60 _____
20 _____

8. 34 _____
18 _____