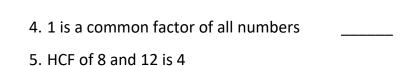
Common Factors and Highest Common Factor A. Choose the correct answer: 1. What is the HCF of 12 and 16? a) 2 b) 4 c) 6 d) 8 2. Which of the following is a common factor of 15 and 25? a) 4 b) 5 c) 6 d) 3 3. What is the HCF of 9 and 27? a) 3 b) 6 c) 9 d) 27 4. Which number is a common factor of 18 and 24? a) 8 b) 6 c) 9 d) 5 5. Which is the highest common factor of 10 and 20? a) 2 b) 4 c) 5 d) 10 **B.** Write the Missing Terms to Complete the Sentences: 1. The common factors of 8 and 12 are 1, 2 and 2. HCF stands for Highest ____ Factor 3. The HCF of 6 and 9 is ____ 4. Common factors of 10 and 15 are 1 and ____ 5. If two numbers have only 1 as a common factor, they are called ____ C. Mark each sentence with a True (✓) or False (X): 1. HCF of 10 and 15 is 5 2. Common factor of 14 and 28 is 7 3. HCF of 4 and 9 is 2



D. Figure out the answers to these questions:

- 1. List the common factors of 18 and 30
- 2. Find the HCF of 20 and 28 by listing all factors
- 3. Circle the common factors of 16 and 24 from the list: 1, 2, 4, 6, 8
- 4. A boy has 12 red balloons and 18 green balloons. He wants to group them equally. What is the highest number of groups he can make?
- 5. Find the HCF of 36 and 48 using listing method

E. Challenge yourself with these questions:

- 1. Write all the common factors of 30 and 45
- 2. A girl has 24 pens and 32 pencils. What is the HCF of the two numbers?
- 3. Find the HCF of 50 and 75 by listing the factors
- 4. A school has two groups with 20 and 25 students. What is the maximum number of rows that can be formed equally?
- 5. List any 3 pairs of numbers whose HCF is 1