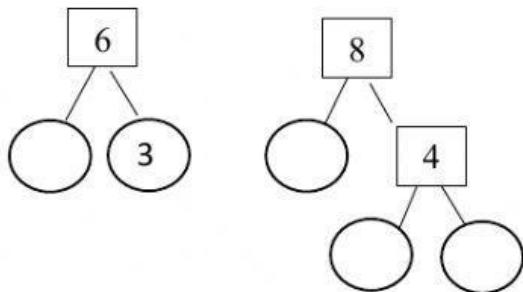


Name: \_\_\_\_\_

### The Highest Common Factor

Complete the factor trees. Then find the HCF of each set of numbers.

a) 6 and 8

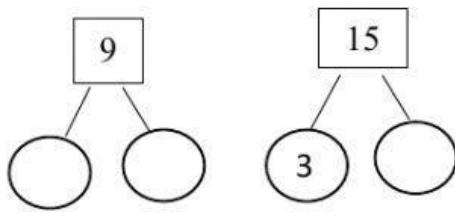


$$6 = \underline{\quad} \times \underline{\quad}$$

$$8 = \underline{\quad} \times \underline{\quad} \times \underline{\quad}$$

$$\text{HCF} = \underline{\quad}$$

b) 9 and 15

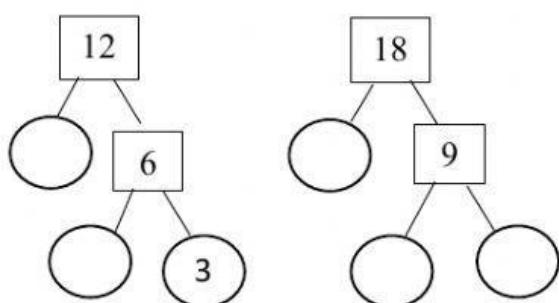


$$9 = \underline{\quad} \times \underline{\quad}$$

$$15 = \underline{\quad} \times \underline{\quad}$$

$$\text{HCF} = \underline{\quad}$$

c) 12 and 18



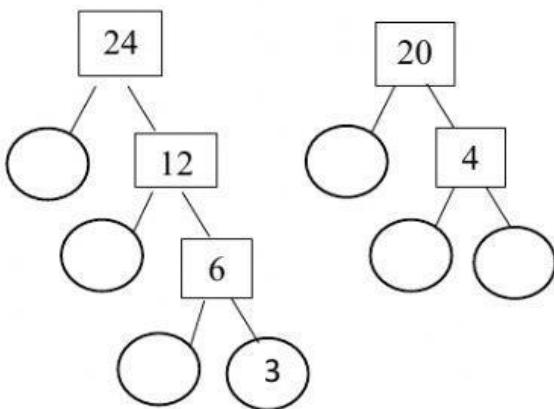
$$12 = \underline{\quad} \times \underline{\quad} \times \underline{\quad}$$

$$18 = \underline{\quad} \times \underline{\quad} \times \underline{\quad}$$

$$\text{HCF} = \underline{\quad} \times \underline{\quad}$$

$$\text{HCF} = \underline{\quad}$$

d) 24 and 20



$$24 = \underline{\quad} \times \underline{\quad} \times \underline{\quad} \times \underline{\quad}$$

$$20 = \underline{\quad} \times \underline{\quad} \times \underline{\quad}$$

$$\text{HCF} = \underline{\quad} \times \underline{\quad}$$

$$\text{HCF} = \underline{\quad}$$