NAME _____

Set A2 ★ Independent Worksheet 2

INDEPENDENT WORKSHEET
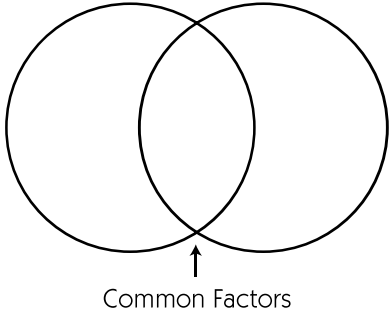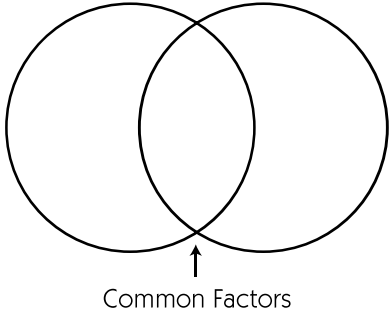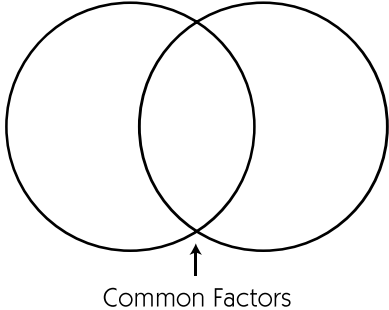
Factor Trees & Common Factors

Find the common factors of each pair of numbers below. To do this:
- Make a factor tree and list the factor pairs for each number.
- Make a Venn Diagram to show their common factors.

Numbers	Factor Tree and Factor Pairs	Factor Tree and Factor Pairs	Venn Diagram
example 12 and 20	12 2 6 2 3 $12 = 2 \times 6$ $12 = 4 \times 3$ $12 = 1 \times 12$ $12 = 2 \times 2 \times 3$	20 2 10 2 5 $20 = 2 \times 10$ $20 = 4 \times 5$ $20 = 1 \times 20$ $20 = 2 \times 2 \times 5$	Factors of 12 Factors of 20 6 12 1 2 4 5 10 3 20 ↑ Common Factors
1 20 and 28			Factors of 20 Factors of 28 ↑ Common Factors

Numbers	Factor Tree and Factor Pairs	Factor Tree and Factor Pairs	Venn Diagram
2 32 and 40			Factors of 32 Factors of 40 Common Factors
3 24 and 54			Factors of 24 Factors of 54 Common Factors
4 100 and 120			Factors of 100 Factors of 120 Common Factors