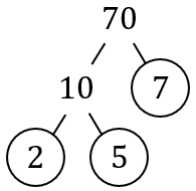
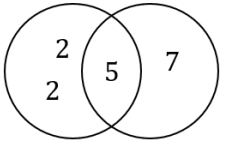
Prime Factors, HCF and LCM

Write 70 as a product of its prime factors	Find the highest common factor (HCF) of 15 and 25	Find the lowest common multiple (LCM) of 12 and 9	Use a Venn diagram to find the HCF and LCM of 20 and 35
Draw a factor tree:  $\mathbf{70 = 2 \times 5 \times 7}$	Factors of 15 : 1, 3, 5, 15 Factors of 25 : 1, 5, 25 HCF is $\mathbf{5}$	Multiples of 12 : $12, 24, 36, 48, \ldots$ Multiples of 9 : $9, 18, 27, 36, \ldots$ LCM is $\mathbf{36}$	$20 = 2 \times 2 \times 5$ $35 = 5 \times 7$  HCF $= 5$ LCM $= 2 \times 2 \times 5 \times 7 = 140$
Write 50 as a product of its prime factors	Find the HCF of 8 and 20	Find the LCM of 5 and 8	Use a Venn diagram to find the HCF and LCM of 25 and 40
Write 66 as a product of its prime factors	Find the HCF of 12 and 15	Find the LCM of 6 and 9	Use a Venn diagram to find the HCF and LCM of 35 and 42
Write 108 as a product of its prime factors	Find the HCF of 16 and 24	Find the LCM of 8 and 20	Use a Venn diagram to find the HCF and LCM of 45 and 60