

HCF =  $\frac{2 \times 2 \times 3}{2 \times 2 \times 3}$ 12  $LCM = \frac{2 \times 2 \times 2 \times 3 \times 3}{2 \times 2 \times 2 \times 3 \times 3}$ 72

c) Use your answers to work out the HCF of 63 and 90 Explain how you worked it out.

 $LCM = \frac{7 \times 3 \times 3 \times 5}{7 \times 3 \times 5}$ 

HCF =  $3 \times 3$ 

Factors

2

of 48

HCF =  $\frac{2 \times 2 \times 2 \times 3}{2 \times 2 \times 2 \times 3}$ 

LCM = 2×2×2×2×3×5

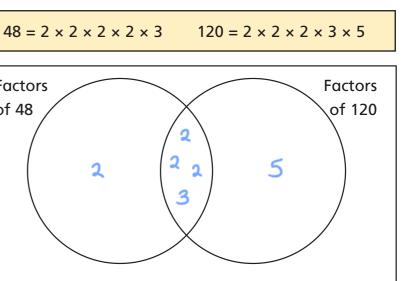
63 = <u>3×3×7</u>

Factors

7

of 63

Complete the Venn diagram to find the HCF and LCM of 48 and 120





a) Write 63 and 45 as products of their prime factors.

45 = <u>3×3×5</u>

b) Use a Venn diagram to find the HCF and LCM of 63 and 45

