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| **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:$$70=2×5×7$$ | Factors of $15 $: $1, 3, 5, 15$Factors of $25$ : $1, 5, 25$HCF is $5$ | Multiples of $12 $: $$12, 24, 36,48,…$$Multiples of $9$ :$$9, 18, 27, 36,…$$LCM is $36$ | $20=2×2×5$ $35=5×7$HCF$ =5$LCM $=2×2×5×7=140$ |
| 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 $40$ |
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| 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 $42$ |
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| 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 $60$ |
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