

Y7 Mastery: Unit 3 - Factors and multiples	Other Topics/L • Numbers,	<u>Jnits this could appear in:</u> powers, rots, decimals and
A multiple is the result of multiplying a number by an integer (so it comes up in its times table).	rounding Product o Multiples in Factorising 	f prime factors n context g
multiples of 2. 2, 4, 6, 8, 10, 12,	Keyword/Skill	Definition/Tips
multiples of 3: 3, 6, 9, 12, 15,	Integer	a number which is not a fraction; a whole number.
	Product	Multiply
24 is a common multiple of 3 and 4 as it is a multiple of 3 and a multiple of 4. What other Common <u>Multiples</u>	Prime Number	Has exactly two factors
3 3 3 3 3 3 3 3 0 Common multiples of 3 4 4 4 4 4 4 4	Square Number	The result of multiplying an integer by itself
you think of?	Cube number	The result of multiplying an integer by itself three times i.e. $2 \times 2 \times 2 = 8$
24 Sort the integers from $1 - 40$ in to this Venn diagram:	Multiples	The result of multiplying a number by an integer (comes up in its timetable)
We can find common multiples by comparing multiplication tables.	Common multiples	A number that is a multiple of two numbers
Multiples of 5 Multiples of 3 6	LCM	Smallest whole number that is a multiple of two numbers
5 3 27 10 6 30 15 9 33 We can see from 18	Factors	An integer that divides the number exactly leaving no remainder
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Factor pairs	A set of numbers that multiply to equal the number
30 18 42 30 and 45 are 35 21 45 common multiples 40 24 48 of both 3 and 5.	HCF	The highest common factor (HCF) of two or more numbers is the largest number that is a factor of all of the