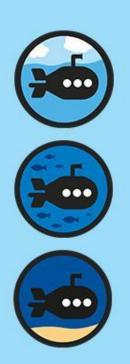
### **Diving into Mastery**

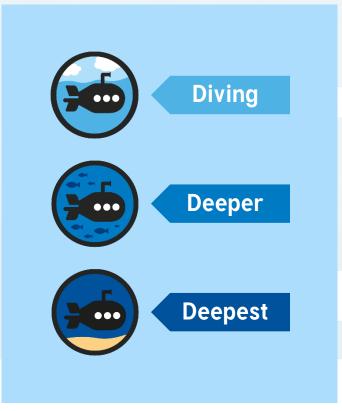


# **Common Multiples**



# **Diving into Mastery Guidance for Educators**

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



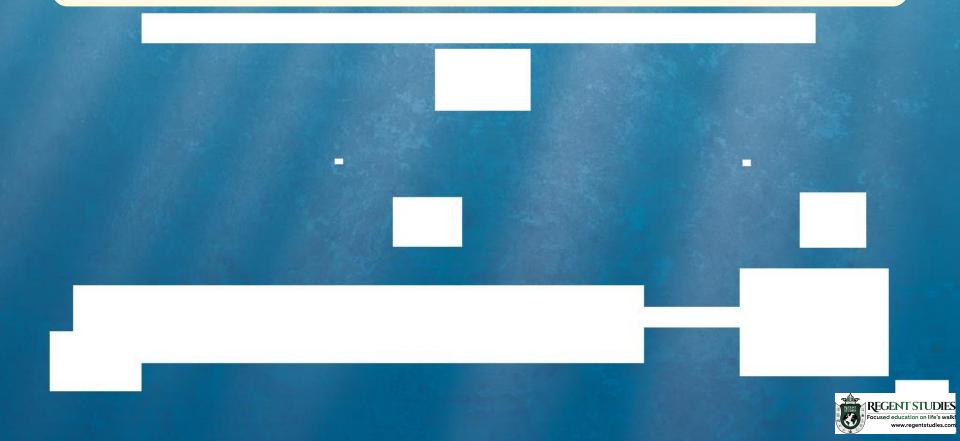
These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.



# Aim

• Identify common factors, common multiples and prime numbers.



													A. 10 10 10 10 10								
							any series a	-													
	1	2	3	4	5	6	7	8	9	10		1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20		11	12	13	14	15	16	17	18	19	20
)	21	22	23	24	25	26	27	28	29	30		21	22	23	24	25	26	27	28	29	30
1	31	32	33	34	35	36	37	38	39	40		31	32	33	34	35	36	37	38	39	40
	41	42	43	44	45	46	47	48	49	50		41	42	43	44	45	46	47	48	49	50
	51	52	53	54	55	56	57	58	59	60		51	52	53	54	55	56	57	58	59	60
	61	62	63	64	65	66	67	68	69	70		61	62	63	64	65	66	67	68	69	70
	71	72	73	74	75	76	77	78	79	80		71	72	73	74	75	76	77	78	79	80
	81	82	83	84	85	86	87	88	89	90		81	82	83	84	85	86	87	88	89	90
	91	92	93	94	95	96	97	98	99	100		91	92	93	94	95	96	97	98	99	100
										h Hb	-		CITAL PORT		and the second		and Britishick		and the second	1998 - 1998 - 1	

Diving

Worthese 100nsqaaresultiples of idestify the common multiples of 3 and 8.

The common multiples are **24**, **48**, **72**, **96**.







0 0

OPTICAL ZOOM



6 and 9

and 36

Diving

4 and 9

36 and 72

5 and 11

Write two common multiples of these numbers:



OPTICAL ZOOM



Write two comultiples of 15 of these functions of 15 are even numbers.

Do you agree? Explain

There are no common

tiples of 15 and 2

Itiples of 2 must be

ecallise

ven/numbers

your reasons.

15 is odd-and

Deeper





Deeper

LVF/LC



Seb says, "I am thinking of two numbers. The common multiples of these two numbers are 14, 42 and 70. What are my two numbers?"

Þ



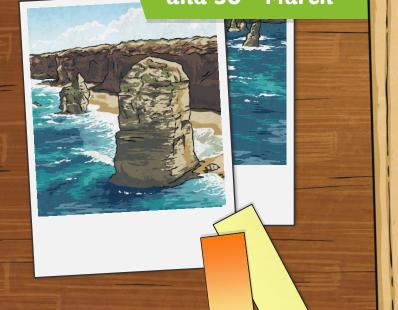


E

-



#### 6<sup>th</sup>, 12<sup>th</sup>, 18<sup>th</sup>, 24<sup>th</sup> and 30<sup>th</sup> March



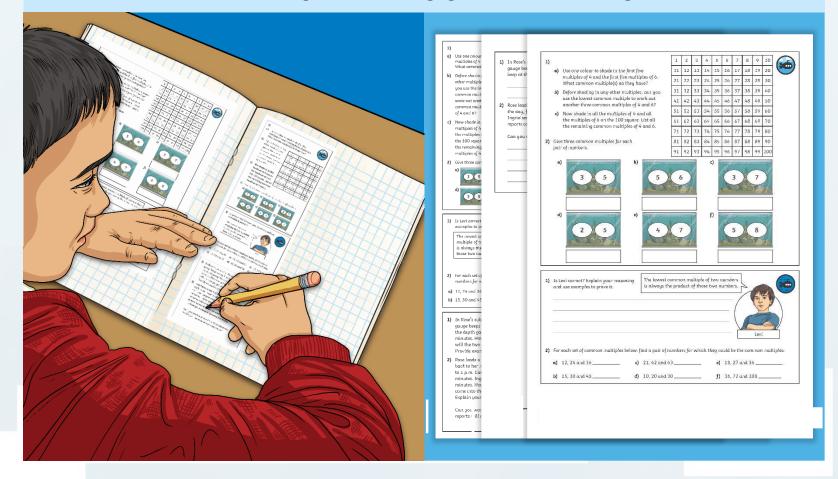
Marine biologist Macy checks the water temperature every two days and the water pH every three days.

Marine

On which dates in March will Macy check both the temperature and the pH?



#### Dive in by completing your own activity!





## **Need Planning to Complement this Resource?**

#### **National Curriculum Aim**

#### Identify common factors, common multiples and prime numbers.

