Maths

Addition, Subtraction, Multiplication and Division

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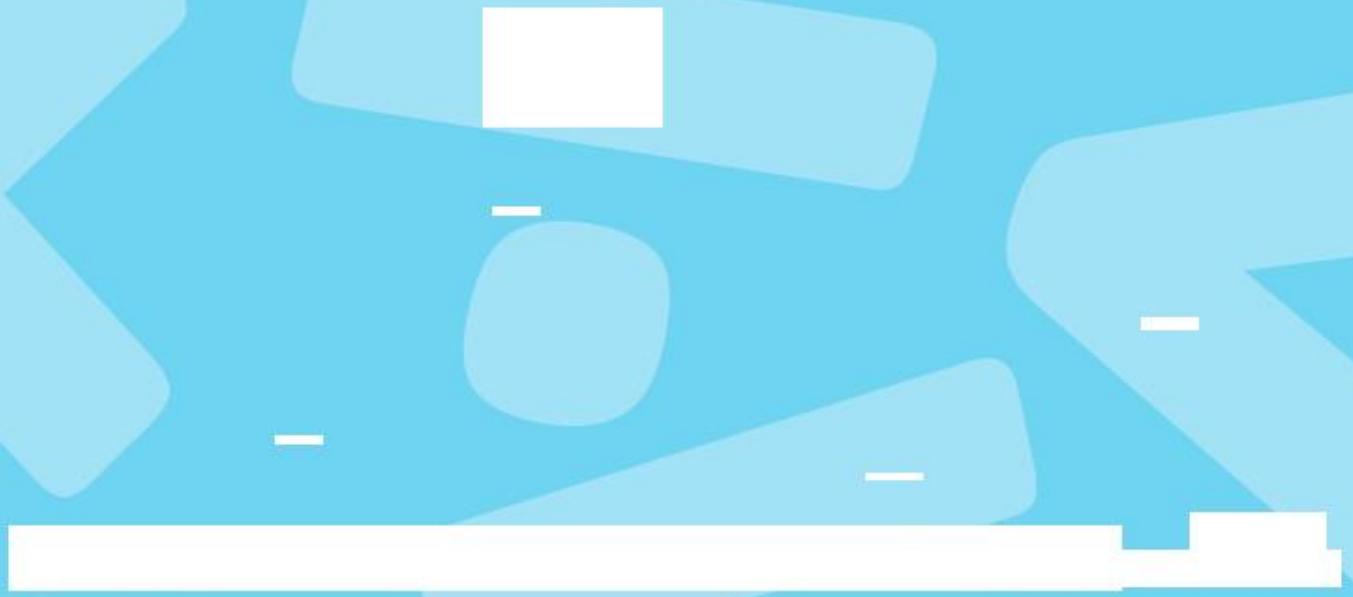
Marine Multiples



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Aim

- I can identify common multiples.

Success Criteria

- I know what ‘common multiple’ means.
- I can identify common multiples.

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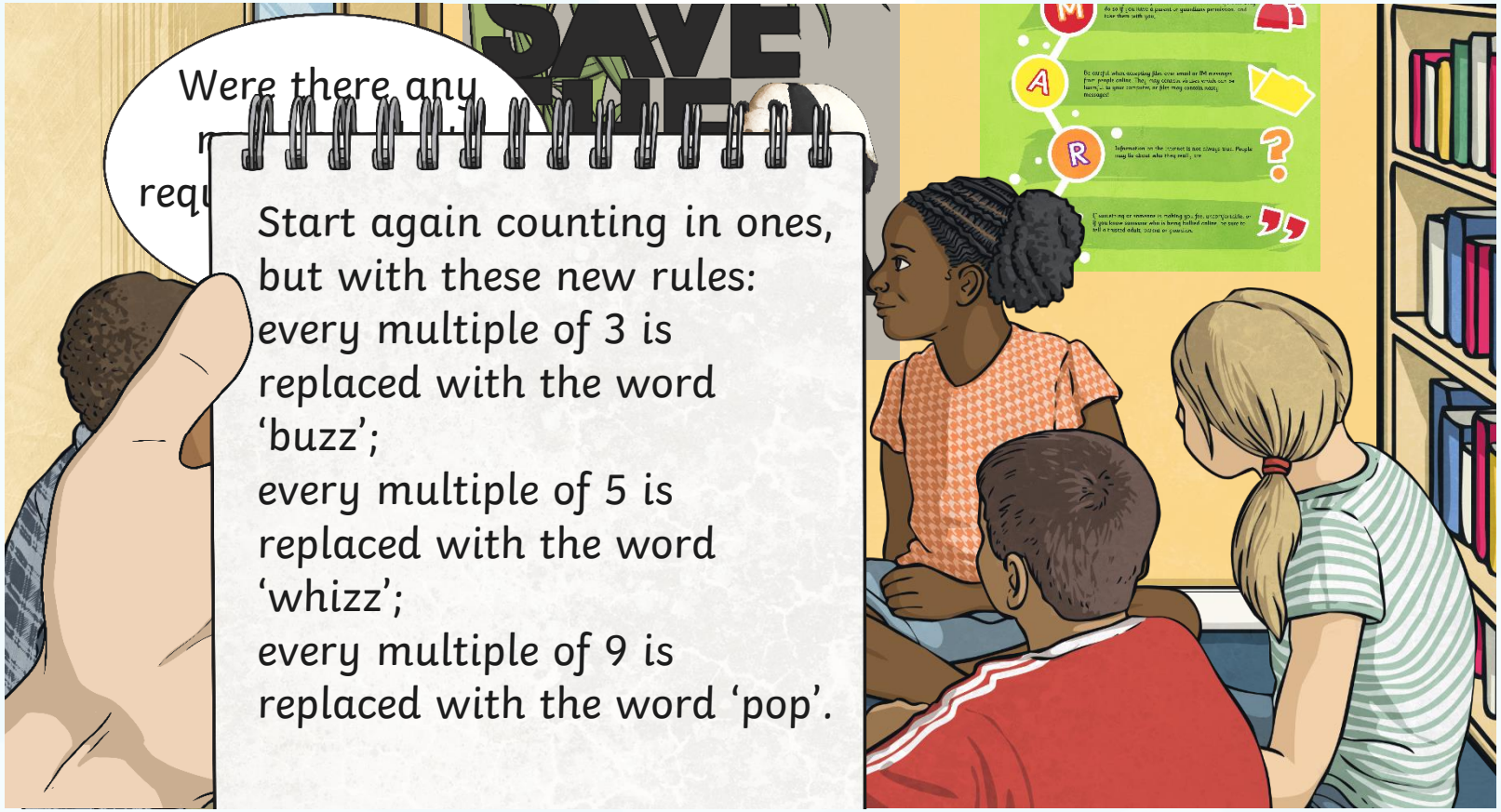
Buzz, Whizz, Pop

Arrange yourselves into two circles.



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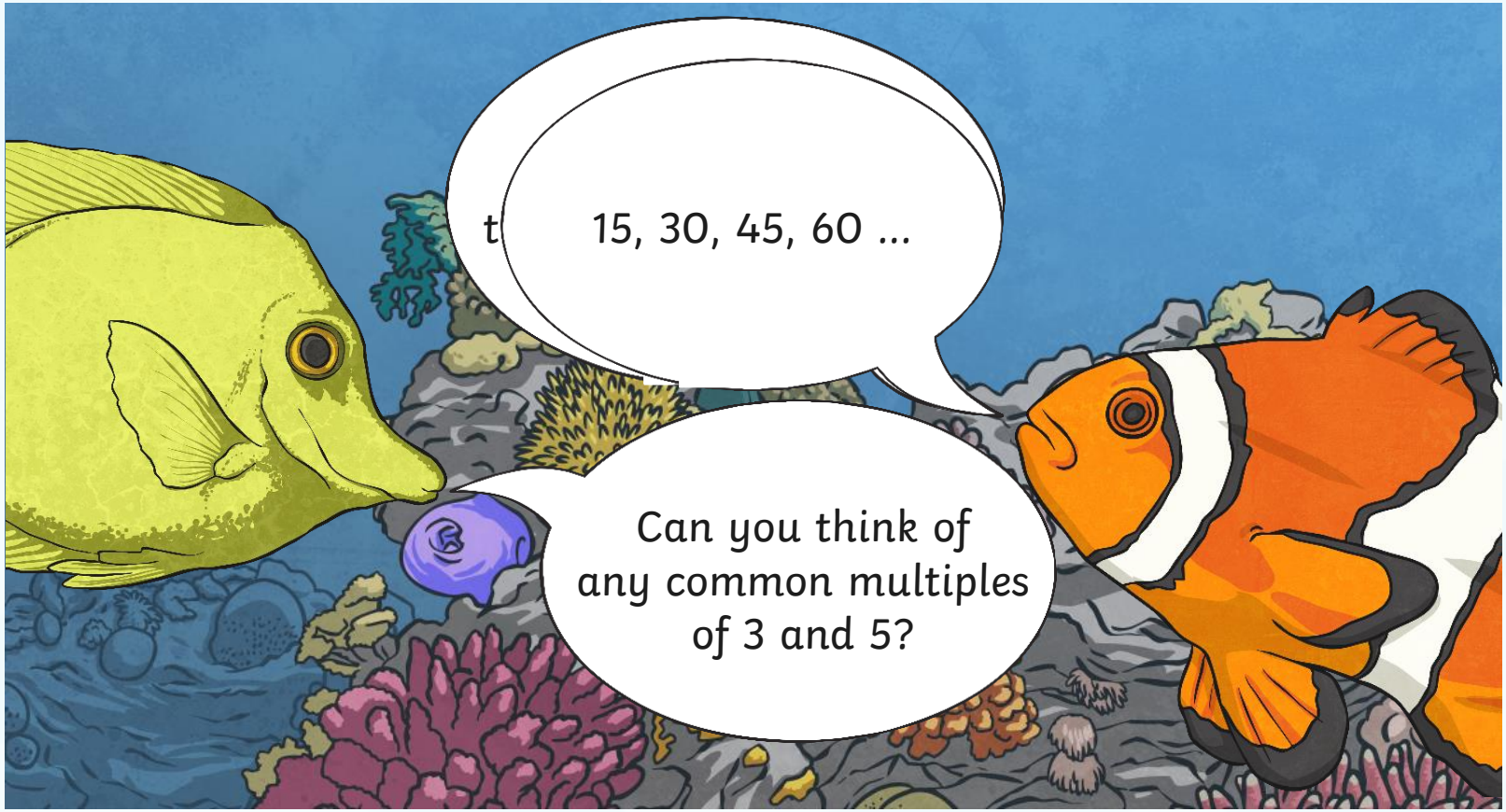
Sea of Numbers

What does the term ‘multiple’ mean?



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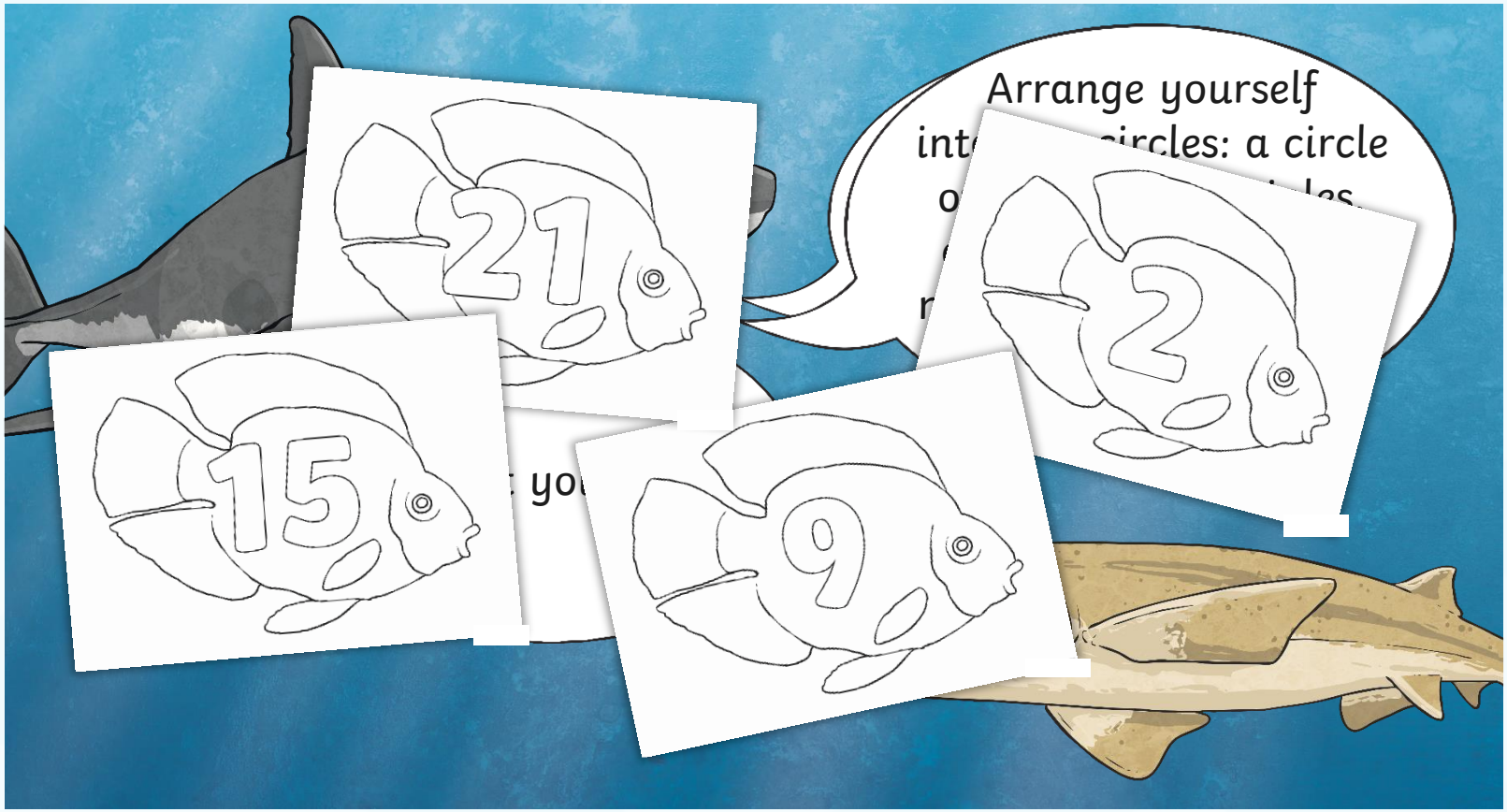
In the Deep Sea

Whole Class

Everybody needs a Multiple Card.



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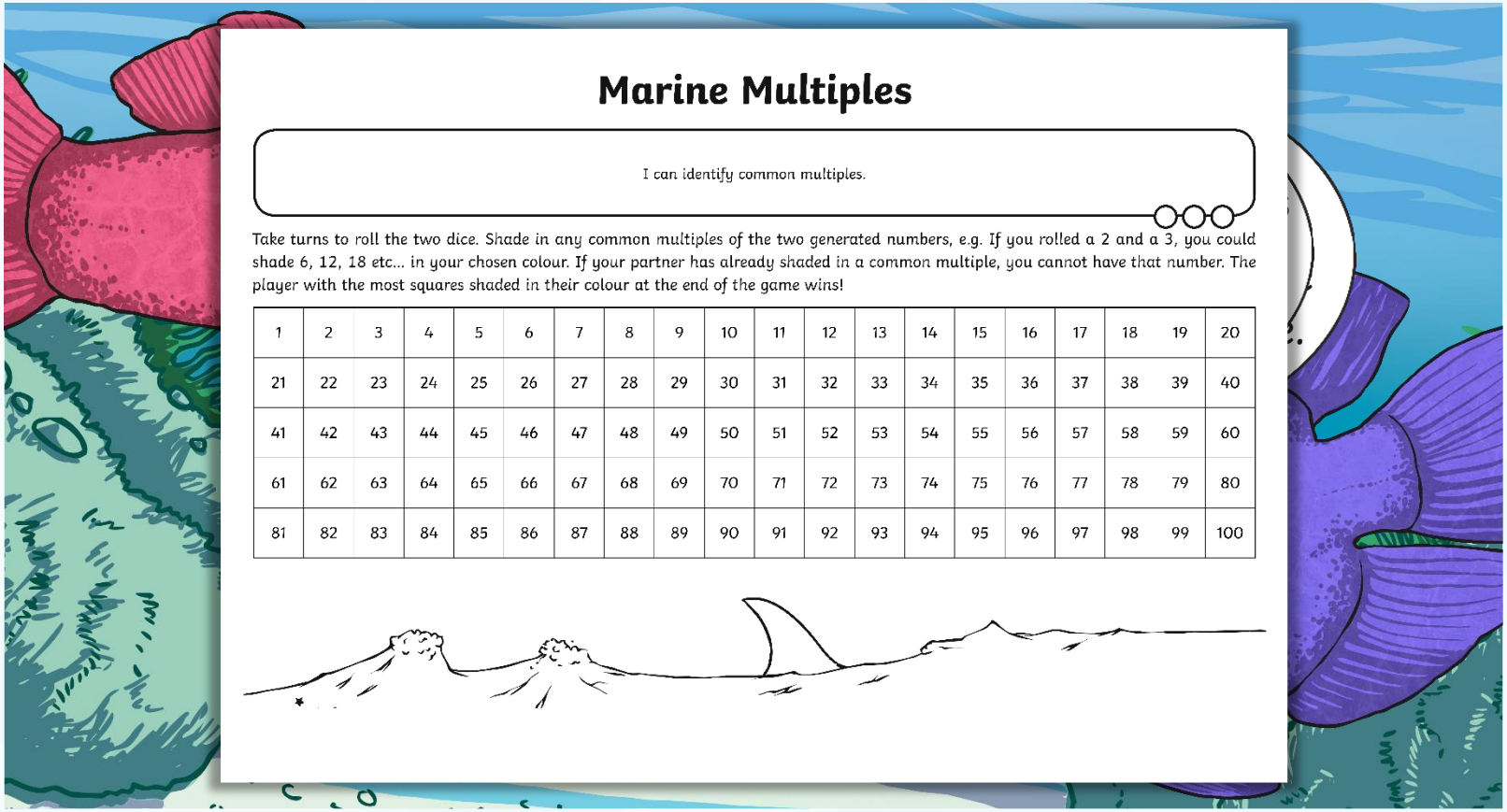
Marine Multiples

Taking turns, roll two dice.



Marine Multiples

I can identify common multiples.

Take turns to roll the two dice. Shade in any common multiples of the two generated numbers, e.g. If you rolled a 2 and a 3, you could shade 6, 12, 18 etc... in your chosen colour. If your partner has already shaded in a common multiple, you cannot have that number. The player with the most squares shaded in their colour at the end of the game wins!

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

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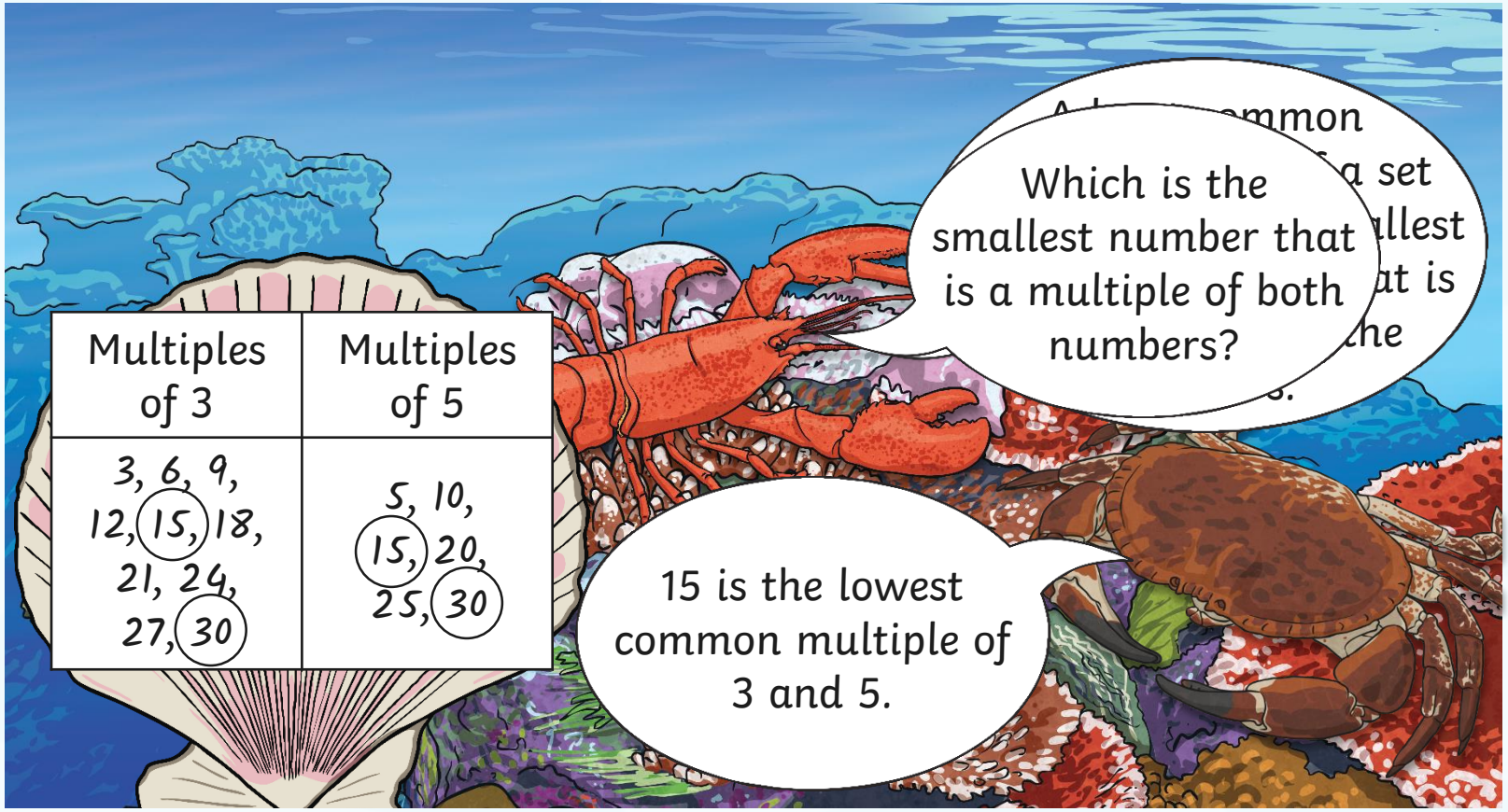
Sea of Numbers

What does the term ‘lowest common multiple (LCM)’ mean?



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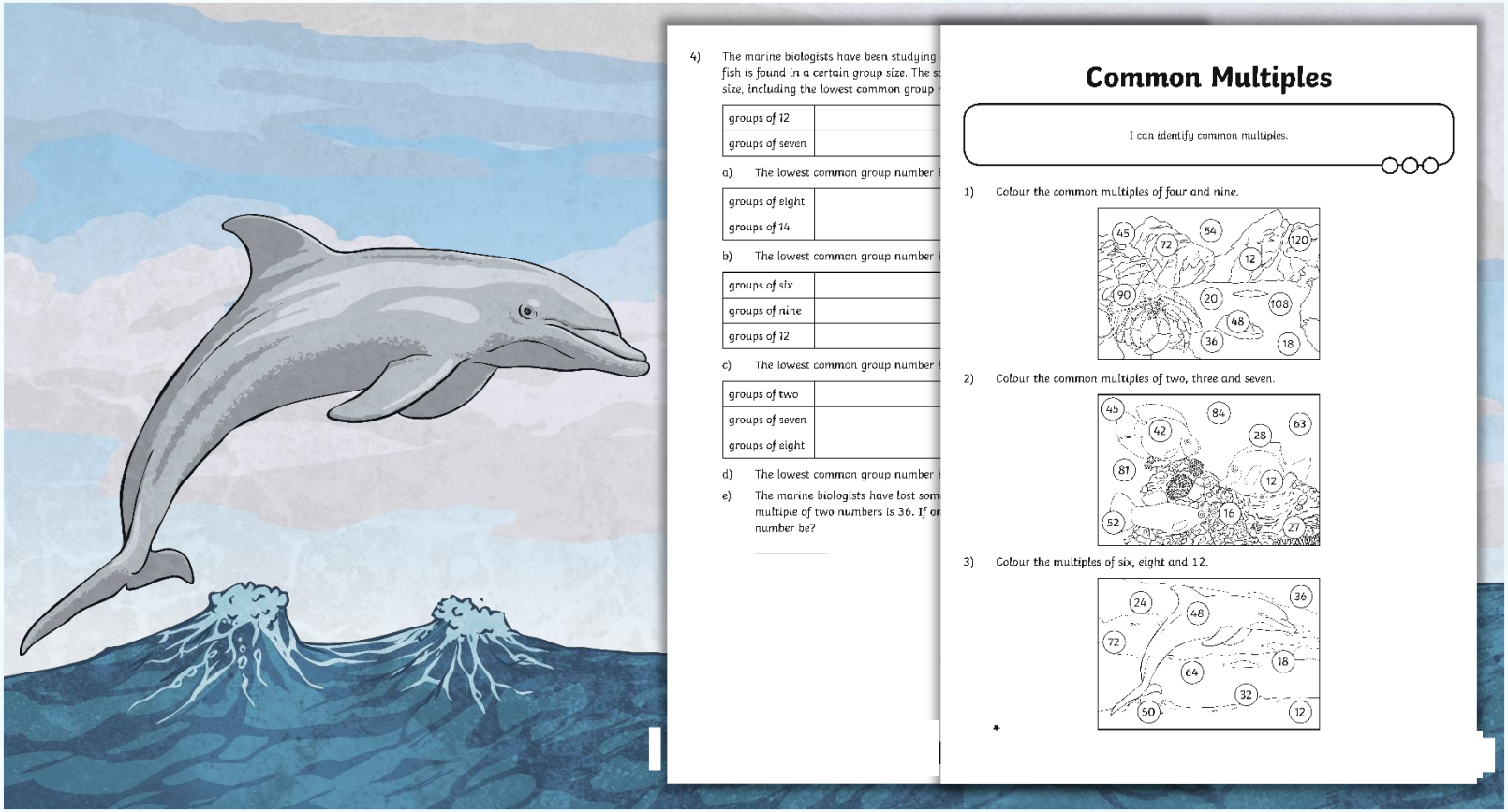
Common Multiples

Use your marvellous maths skills to complete this activity sheet:



4) The marine biologists have been studying
fish is found in a certain group size. The s
size, including the lowest common group

groups of 12	
groups of seven	

a) The lowest common group number

groups of eight groups of 14	

b) The lowest common group number

groups of six	
groups of nine	
groups of 12	

c) The lowest common group number

groups of two	
groups of seven groups of eight	

d) The lowest common group number

e) The marine biologists have lost som
multiple of two numbers is 36. If o
number be?

_____

Common Multiples

I can identify common multiples.

1) Colour the common multiples of four and nine.

2) Colour the common multiples of two, three and seven.

3) Colour the multiples of six, eight and 12.

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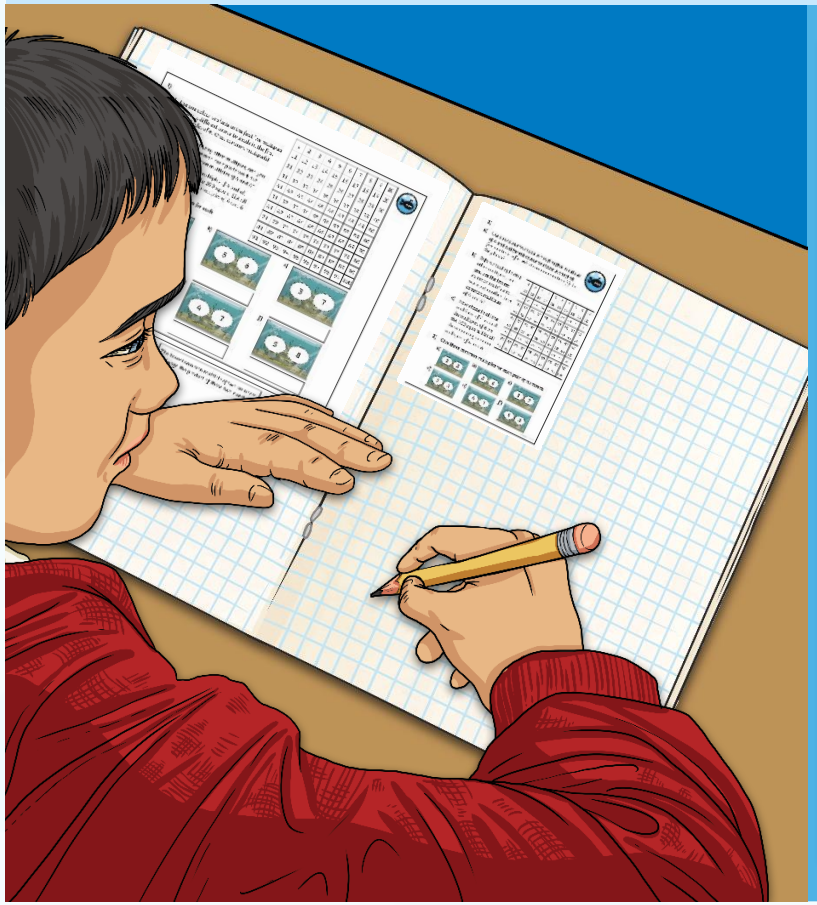
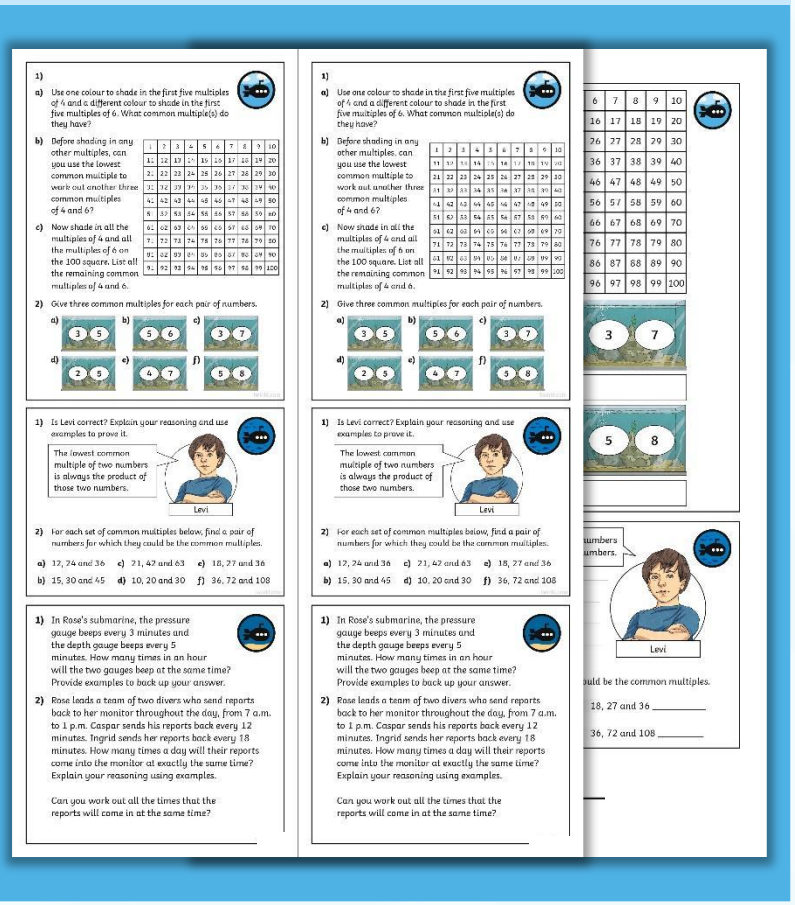
Diving into Mastery

Dive in by completing your own activity!





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What Am I?

In pairs, think of two numbers and then write their highest common factor (HCF) and their lowest common multiple (LCM) on a whiteboard.

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