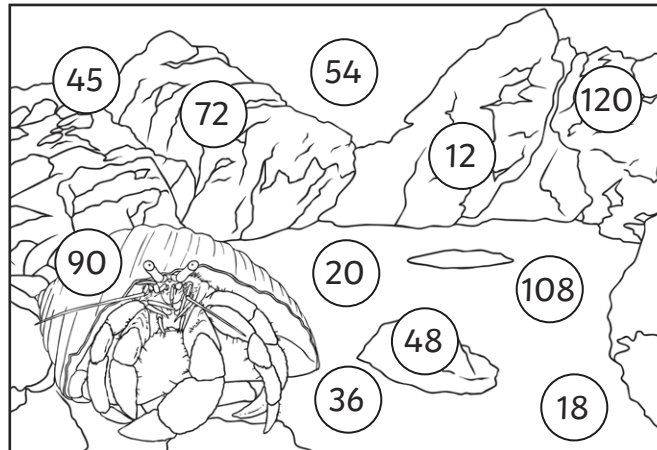


Common Multiples

I can identify common multiples.



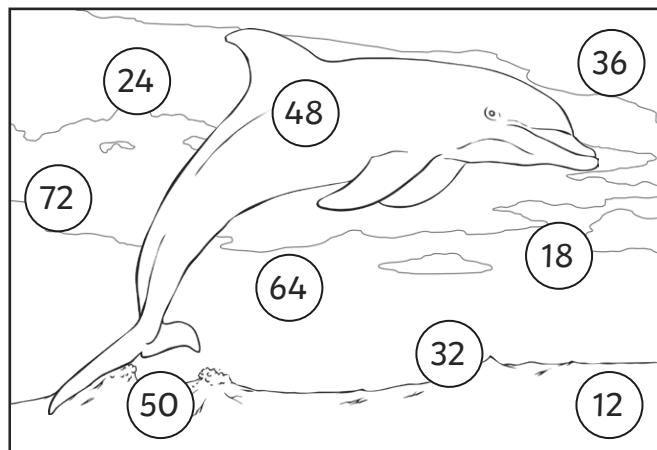
- 1) Colour the common multiples of four and nine.



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



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



- 4) The marine biologists have been studying newly discovered species of fish. Each type of fish is found in a certain group size. The scientists are investigating similarities of group size, including the lowest common group number (lowest common multiple).

| | |
|-----------------|--|
| groups of 12 | |
| groups of seven | |

- a) The lowest common group number is _____ .

| | |
|-----------------|--|
| groups of eight | |
| groups of 14 | |

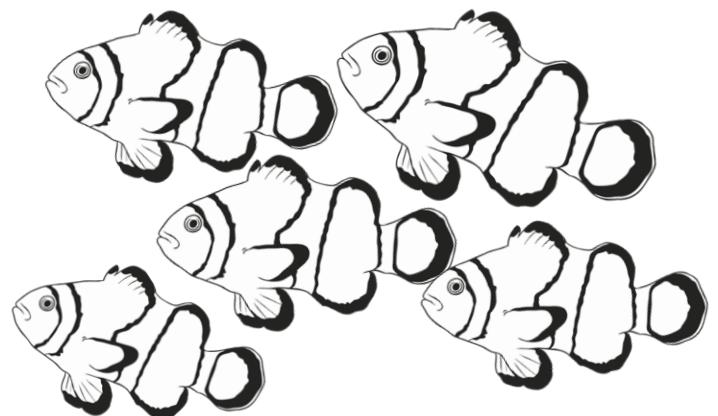
- b) The lowest common group number is _____ .

| | |
|----------------|--|
| groups of six | |
| groups of nine | |
| groups of 12 | |

- c) The lowest common group number is _____ .

| | |
|-----------------|--|
| groups of two | |
| groups of seven | |
| groups of eight | |

- d) The lowest common group number is _____ .
- e) The marine biologists have lost some data. They know that the lowest common multiple of two numbers is 36. If one number is 12, what might the other number be?



Common Multiples Answers

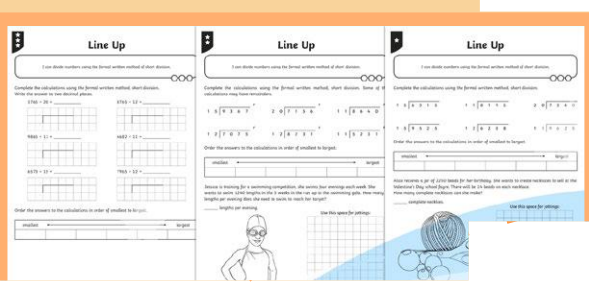
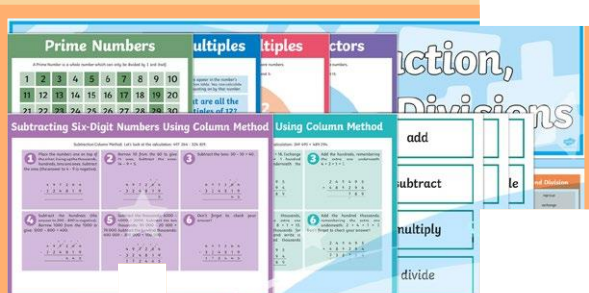
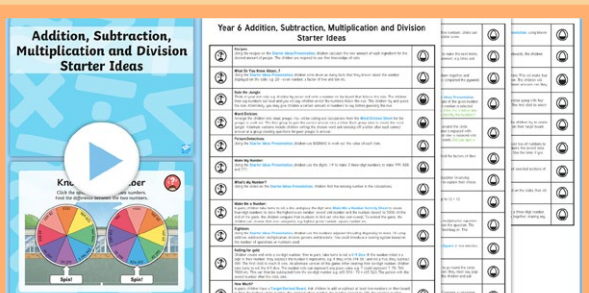
| Question | Answer |
|----------|--|
| 1. | Colour the common multiples of four and nine. |
| | 36, 72, 108 |
| 2. | Colour the common multiples of two, three and seven. |
| | 42, 84 |
| 3. | Colour the common multiples of six, eight and 12. |
| | 24, 48, 72 |
| 4. | The marine biologists have been studying newly discovered species of fish. Each type of fish is found in a certain group size. The scientists are investigating similarities of group size, including the lowest common group number (lowest common multiple). |
| a | The lowest common group number is 84 . |
| b | The lowest common group number is 56 . |
| c | The lowest common group number is 36 . |
| d | The lowest common group number is 56 . |
| e | The lowest common group number is 36 . |
| f | The marine biologists have lost some data. They know that the lowest common multiple of two numbers is 36. If one number is 12, what might the other number be? 9 |



PlanIt Year 6

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