**Multiplication and Division Unit 1**

**Problem solving and reasoning questions**

Which of these numbers are multiples of 9?

28 108 126 49 153 891 How do you know?

Which of these numbers are multiples of 7?

84 79 32 63 56 140 133 How do you know?

Complete this grid as fast as you can.

Can you solve the puzzle in under one minute?!

|  |  |  |  |
| --- | --- | --- | --- |
| x | **7** |  | **9** |
|  | 42 |  |  |
|  |  |  | 63 |
| **8** |  | 96 |  |

Write a word problem to help practise the 11x table with one of these answers: 88p 132cm £121 154 minutes

**Multiplication and Division Unit 1**

**Problem solving and reasoning answers**

Which of these numbers are multiples of 9?

28 108 126 49 153 891 How do you know?

108, 126, 153 and 891 are all multiples of 9 since - in each case - the digit sum is 9.

Which of these numbers are multiples of 7?

84 79 32 63 56 140 133 How do you know?

84, 63, 56, 140 and 133 are all multiples of 7. The first three are in the 7 times table; children should recognise 140 as a multiple of 7 (2 x 7 x 10) and 133 is 7 less than 140 so is also a multiple of 7.

Complete this grid as fast as you can.

Can you solve the puzzle in under one minute?!

|  |  |  |  |
| --- | --- | --- | --- |
| x | **7** | **12** | **9** |
| **6** | 42 | 72 | 54 |
| **7** | 49 | 84 | 63 |
| **8** | 56 | 96 | 72 |

Children not as confident with related division facts may struggle with this. Practise those as regularly as the multiplication facts.

Write a word problem to help practise the 11x table with one of these answers: 88p 132cm £121 154 minutes

Various possibilities; the answers are 8, 12, 11 and 14 times 11 respectively– check the context of the problem matches the units/ measures.