

## Tuesday: To identify multiples.

This week we are looking at multiples.

A multiple of a number can be divided by that number **without** leaving a remainder.

For example:

$$24 \div 6 = 4 \quad 56 \div 6 = 9 \text{ r } 2 \quad 120 \div 6 = 20 \quad 3000 \div 6 = 500$$

24, 120 and 3000 **are** multiples of six. 56 is **not** a multiple of six because it has a remainder.

Copy these questions into your book and write the answers.

- 1) Which of these numbers is not a multiple of 5?  
65   130   151   115
- 2) Which of these numbers is not a multiple of 7?  
74   63   140   56
- 3) Which of these numbers is not a multiple of 8?  
64   88   72   84
- 4) Which of these numbers is not a multiple of 9?  
45   39   72   108
- 5) Is 104 a multiple of 8?
- 6) Is 109 a multiple of 9?
- 7) Is 111 a multiple of 11?

## CHALLENGE

Copy into your books and answer YES or NO.

- 1) Is 140 a multiple of 20?
- 2) Is 510 a multiple of 50?
- 3) Is 250 a multiple of 100?
- 4) Is 360 a multiple of 12?
- 5) Using these digits: 2, 3, 5, 7, 8  
Make as many three-digit and four-digit multiples of 6 as you can.  
Write them in your book.
- 6) Investigate the 2 digit and 3 digit numbers of 9. What do you notice?

## Tuesday: To identify multiples. Answers including Challenge

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For example:

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7) Which of these numbers is not a multiple of 5?

66   130   151   115   **151**

8) Which of these numbers is not a multiple of 7?

75   63   140   56   **74**

9) Which of these numbers is not a multiple of 8?

65   88   72   84   **84**

10) Which of these numbers is not a multiple of 9?

45   39   72   108   **39**

5) Is 104 a multiple of 8? **Yes**

6) Is 109 a multiple of 9? **No**

7) Is 111 a multiple of 11? **No**

## CHALLENGE

Copy into your books and answer YES or NO.

3) Is 140 a multiple of 20? **Yes**      3) Is 250 a multiple of 100? **No**

4) Is 510 a multiple of 50? **Yes**      4) Is 360 a multiple of 12? **Yes**

11) Using these digits: 2, 3, 5, 7, 8

Make as many three-digit and four-digit multiples of 6 as you can.

Write them in your book.

**258, 372, 378, 528, 582, 732, 738, 852, 2358, 2538, 3258, 3528, 3582, 3852, 5238, 5328, 5382, 5832, 8352, 8532.**

12) Investigate the 2 digit and 3 digit numbers of 9. What do you notice?

**The pattern remains. The ones column continues to decrease by 1 digit each time, the tens column increases by 1 digit each time.**