

Factor and multiple medley

Write the factors of each number in the pair.

24 and 40

36 and 20

48 and 32

1 24: 1, 2, 3, 4, 6, 8, 12, 24.
40: 1, 2, 4, 5, 8, 10, 20, 40.

2 36: 1, 2, 3, 4, 6, 9, 12, 18, 36.
20: 1, 2, 4, 5, 10, 20.

3 48: 1, 2, 3, 4, 6, 8, 12, 16, 24, 48.
32: 1, 2, 4, 8, 16, 32.

What is the highest factor which is in both numbers in the pair?

4

5

6

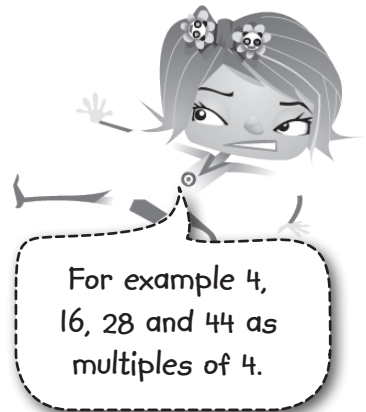
Write four multiples of each card number that are not next to each other.

7

9

8

10



- 7. Any multiples of 12 not next to each other, e.g. 24, 48, 72, 120
- 8. Any multiples of 15 not next to each other, e.g. 30, 60, 105, 135
- 9. Any multiples of 25 not next to each other, e.g. 50, 100, 250, 400
- 10. Any multiples of 30 not next to each other, e.g. 60, 120, 300, 360

Prime number challenge!

11 Write four prime numbers. Each one must be a 2-digit number and they must all have the same tens digit.

Fair divisions

Divide each of the following numbers by 5.
First estimate if it will have a remainder or not.

	1245		4444
12	249	14	888 r4
	4670		3105
13	934	15	621

Children should be able to estimate that all numbers apart from question 14 will not have a remainder because they end with 0 or 5 and are therefore multiples of 5.

Divide each of the following numbers by 15.
First estimate if it will have a remainder or not.

	574		405
16	38 r4	18	27
	750		1215
17	50	19	81

Children should be able to reasonably estimate that all numbers apart from question 16 will divide by 15 without a remainder as they end in 5 or 0 – although this is not a guarantee as not all numbers ending in 5 or 0 are multiples of 15.

I found this:



Easy



Challenging



I needed help