

Dividing by 2, 3, 4, 5, 8 and 10

Sheet 1

Division machines

21	<input type="text"/>	16	<input type="text"/>
23	<input type="text"/>	23	<input type="text"/>
17	$\div 2$	20	$\div 3$
46	<input type="text"/>	7	<input type="text"/>
15	<input type="text"/>	29	<input type="text"/>
12	<input type="text"/>	14	<input type="text"/>
23	$\div 5$	39	$\div 4$
35	<input type="text"/>	25	<input type="text"/>
27	<input type="text"/>	35	<input type="text"/>
19	<input type="text"/>	31	<input type="text"/>
11	<input type="text"/>	34	<input type="text"/>
23	$\div 10$	51	$\div 8$
55	<input type="text"/>	29	<input type="text"/>
72	<input type="text"/>	10	<input type="text"/>
19	<input type="text"/>	62	<input type="text"/>

Challenge

Can you find two different numbers to put in each machine that will give a remainder of 1?

Multiplication and Division

Answers

Challenge

The answers are 41, 43, 47, 49, 53, 59

Day 4

Sheet 1 - Dividing by 2, 3, 4, 5, 8 and 10

$\div 2$	10r1	$\div 3$	5r1
	11r1		7r2
	8r1		6r2
	23		2r1
	7r1		9r2
$\div 5$	2r2	$\div 4$	3r2
	4r3		9r3
	7		6r1
	5r2		8r3
	3r4		7r3
$\div 10$	1r1	$\div 8$	4r2
	2r3		6r3
	5r5		3r5
	7r2		1r2
	1r9		7r6

Challenge

- $\div 2$ any odd number will give a remainder of 1
- $\div 3$ any number which is 1 larger than a multiple of 3 will give a remainder of 1
- $\div 5$ any number ending in 1 or 6 will give a remainder of 1
- $\div 4$ any number which is 1 larger than a multiple of 4 will give a remainder of 1
- $\div 10$ any number ending in 1 will give a remainder of 1
- $\div 8$ any number which is 1 larger than a multiple of 8 will give a remainder of 1