

Divisibility Tests

456 has factors 2 and 3 using divisibility tests. Explain whether 6 is a factor. Check by working out $456 \div 6$.

89 025 has factors 5 and 3 using divisibility tests. Explain whether 15 is a factor. Check by working out $89\ 025 \div 15$.

89 020 has factors 5 and 10 using divisibility tests. Explain why we *cannot* conclude $5 \times 10 = 50$ is a factor?

For each number test the divisibility of the numbers and add a tick or cross to each box.

Number	Divisible by										
	2	3	4	5	6	9	10	12	15	36	45
22 236											
404 016											
204 012											
944 595											
25 920											
40 104											
312 000											
402 042											
555 555											
16 200											
6 666 660											