short division

square number

cube number

remainder

decimal

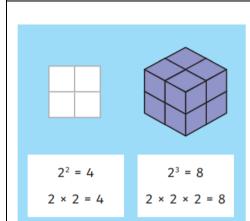
fraction

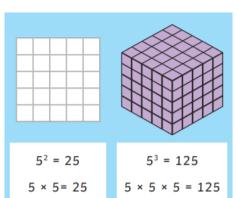


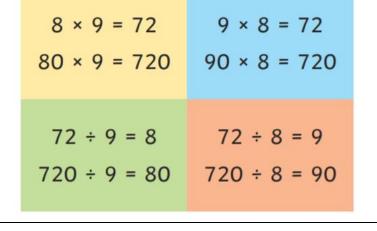
Key	Factors		Prime Numbers		
Vocabulary					
multiples	A factor is a number that divides into an without leaving a remainder.	nother number exactly,		1 2 3 4 5 6 7 8 9 10	
factors	20	A common factor is a factor of 2		11 12 13 14 15 16 17 18 19 20	
factor pairs		or more numbers.		21 22 23 24 25 26 27 28 29 30	
prime numbers		Factors of 6	A prime number is	31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	
prime factors	1 2 4 5 10 20	2 6	only divisible by	51 52 53 54 55 56 57 58 59 60	
composite numbers	The factors of 20 are 1, 2, 4, 5, 10 and 20.	1 3	itself or 1.	61 62 63 64 65 66 67 68 69 70	
long multiplication	The factor pairs are: 1 and 20	15		71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90	
mentally	2 and 10 4 and 5	5 Factors of 15		91 92 93 94 95 96 97 98 99 100	
divide	Squared 2 and Cubod 3 Numbers		Polated Calculations		

Squared ² and Cubed ³ Numbers

Related Calculations



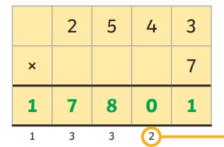






Short Multiplication

$2543 \times 7 = 17801$



Remember to move any regrouped digits into the next column. After the next multiplication, add the regrouped number to the answer.

Long Multiplication

$$2543 \times 67 = 170381$$

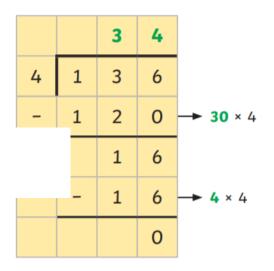
		2	5	4	3
	×			6	7
	1	7	8	0	1
1	5	2	5	8	0
1	7	0	3	8	1
	1	1			

Short Division

Before multiplying by the number in the tens column, remember to use zero as a placeholder because the 6 in 67 is 6 tens (60).

Division

$136 \div 4 = 34$



		3	8
4	1	¹ 5	2

15 ÷ 4 = 3 remainder 3

Remember to regroup any remainders and move them into the next column.

					r	3
5	2	2	² 7	² 8		

28 ÷ 5 = 5 remainder 3

If your calculation has a remainder, remember to record it in the answer using the letter \mathbf{r} .