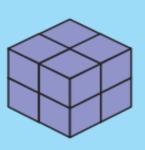


Year 5 Multiplication and Division

groups of lots of times divide share remainder	factor is a number that divides into an enterthal the chout leaving a remainder.	A common factor is a factor of 2 or more numbers.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
factor multiple product Th	1 2 4 5 10 20 The factors of 20 are 1, 2, 4, 5, 10 and 20. The factor pairs are: 1 and 20 2 and 10 4 and 5	Factors of 6 2 6 1 3 15 5 Factors of 15	31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Squared² and Cubed³ Numbers



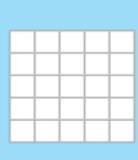


$$2^2 = 4$$

$$2 \times 2 = 4$$

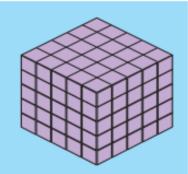
$$2^3 = 8$$

$$2 \times 2 \times 2 = 8$$



$$5^2 = 25$$

$$5 \times 5 = 25$$



$$5^3 = 125$$

$$5 \times 5 \times 5 = 125$$

Related Calculations

$$8 \times 9 = 72$$
 $9 \times 8 = 72$

$$80 \times 9 = 720$$
 $90 \times 8 = 720$

$$9 \times 8 = 72$$

$$90 \times 8 = 720$$

$$72 \div 9 = 8$$
 $72 \div 8 = 9$

$$72 \div 8 = 9$$

$$720 \div 8 = 90$$

Short Multiplication

$$2543 \times 7 = 17801$$

	2	5	4	3
×				7
1	7	8	0	1
1	3	3	(2)-	

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

Long Multiplication

$$2543 \times 67 = 170381$$

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

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).

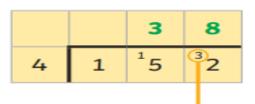
Division

$$136 \div 4 = 34$$

		3	4	
4	1	3	6	
_	1	2	О	→ 30 × 4
		1	6	
	-	1	6	→ 4 × 4
			О	

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Short Division



 $15 \div 4 = 3$ remainder 3

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

		4	5	5	(F)	3
5	2	2	² 7	² 8		

 $28 \div 5 = 5$ remainder 3

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

