

YEAR 5 Multiplying

Key Vocabulary

Factors	Cube
Common factors	Multiples
Multiply	Ten
Prime numbers	Hundred
square	Thousand

Related Calculations

$$8 \times 9 = 72$$

$$80 \times 9 = 720$$

$$9 \times 8 = 72$$

$$90 \times 8 = 720$$

$$72 \div 9 = 8$$

$$720 \div 9 = 80$$

$$72 \div 8 = 9$$

$$720 \div 8 = 90$$

Multiplying

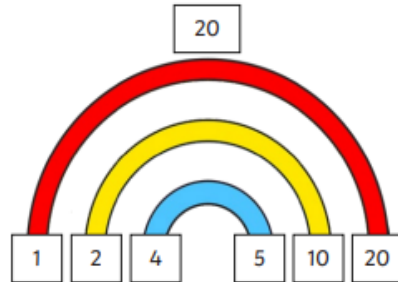
Tens	Ones	Tenths	Hundredths	Thousandths
3	8			
	3	8		
3	8			

Tens	Ones	Tenths	Hundredths	Thousandths
3	8			
	0	3	8	
3	8			

Tens	Ones	Tenths	Hundredths	Thousandths
3	8			
	0	0	3	8
3	8			

Factors

A factor is a number that divides into another number exactly, without leaving a remainder.



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

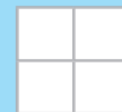
A common factor is a factor of 2 or more numbers.



Prime Numbers

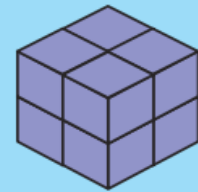
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Squared and Cubed



$$2^2 = 4$$

$$2 \times 2 = 4$$



$$2^3 = 8$$

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