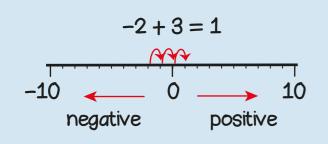
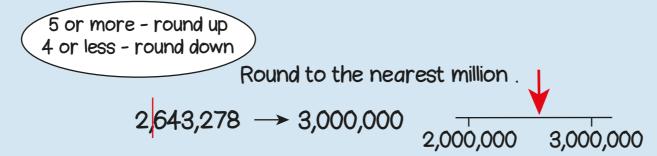


two million, five hundred and forty-three thousand, two hundred and forty-one

2 millions, 5 hundred thousands, 4 ten thousands, 3 thousands, 2 hundreds, 4 tens and 1 one

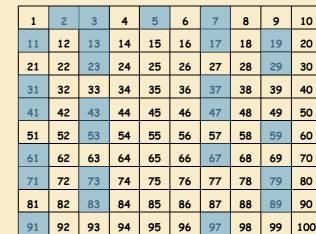




Multiplying and dividing by 10, 100 and 1000

	M	HTh	TTh	Th	100 s	10 s	1 s	10	<u>1</u> 100	<u>1</u>	
	T	en time	es ·			1	3	6			13.6 x 10
	greate				1	3	6	\forall		move	digits one place left
			1	3	6	0	0	ψ		move	13.6 x 1000 digits 3 places left
	T	en tim	es								13.6 ÷ 10
		smalle					1	3	6	move	digits one place right
							0	1	3	6 mov	13.6 ÷ 100 e digits 2 places right





A prime number has exactly 2 factors: 2, 3, 5, 7, 11, 13, 17, 19...

15 and 21 have the common factors
1 and 3

15 and 21 are common multiples of 3

prime is prime common multiple factor multiplier divisor

If I know... then I also know. because...



$$0.8 \times 7 = 8 \times 7 \div 10$$

$$4.2 \times 5 = 42 \div 2$$

$$56,000 \div 80 = 700$$

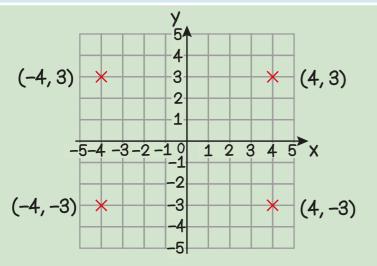
0139r3 24 3³3³3⁹

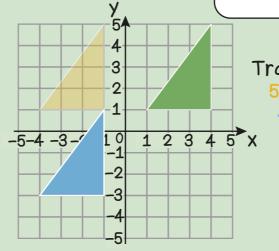
0 1 3 9 .1 2 5 24 3 3 3 9 .0 0 0

1	24
2	24 48
4	96
5	96 120
8	192
10	240

 $3339 \div 24 = 139 \text{ r}3 = 139\frac{3}{24}$ = 139.13 (to 2dp)

Year 6 Term 1

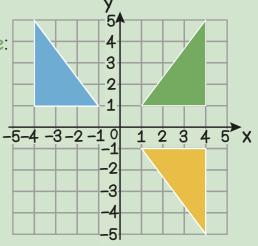


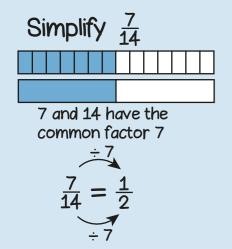


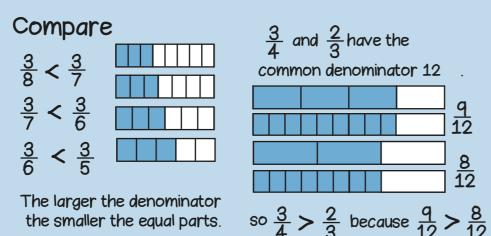
Translate the triangle 5 squares left and 4 squares down.

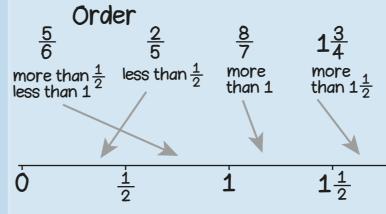
object image image plot reflect translate

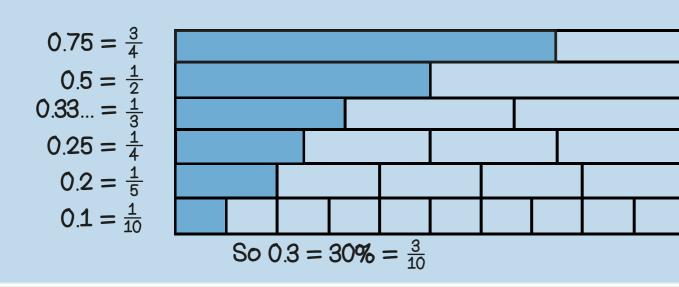
Reflect the triangle: in the x axis in the y axis

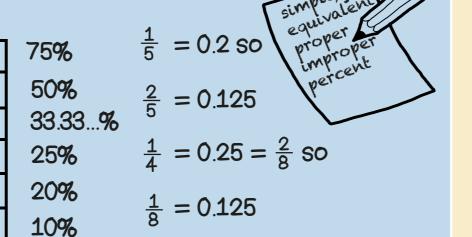






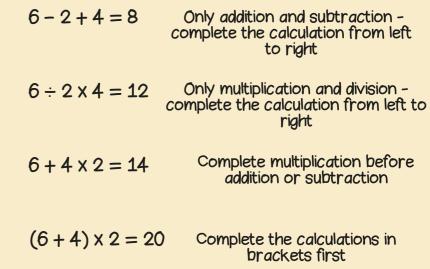






Order of Operations

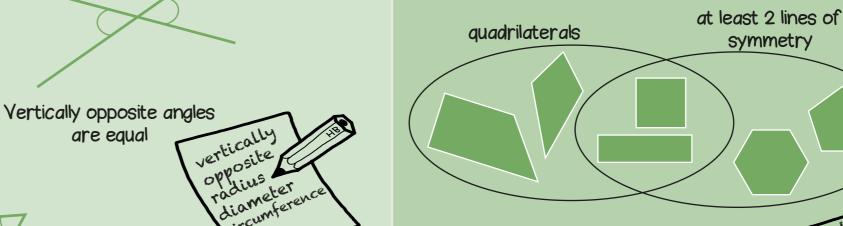
 $6^2 + 4 \div 2 = 20$

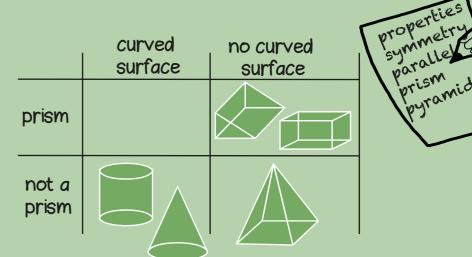


If I know... then I also know. because...

Calculate indices before other operations

Year 6 Term 2







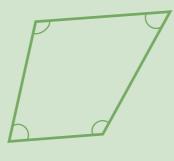
The sum of the angles at a

point on a straight line is 180°

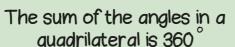
The sum of the angles in a

triangle is 180°





quadrilateral is 360



The sum of the angles at a

point is 360°

Parts of circle

circumference

$$\frac{1}{3} + \frac{1}{4}$$

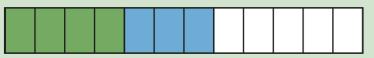
I can't describe the sum!.

$$\frac{1}{3} = \frac{4}{12}$$

SO

 $\frac{1}{4} = \frac{3}{12}$

Find a common denominator.



$$\frac{4}{12} + \frac{3}{12} = \frac{7}{12} <$$

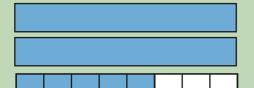
 $\frac{1}{3} + \frac{1}{4} = \frac{7}{12}$

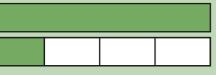
I can add fractions with the same denominator.

Adding mixed numbers. $2\frac{5}{8} + 1\frac{1}{4}$

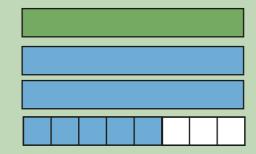
$$2\frac{5}{8} + 1\frac{1}{4}$$





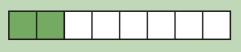


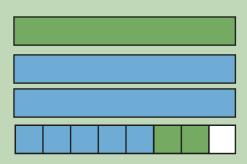
Add the whole numbers.



Add the fractions by finding a common denominator.

$$\frac{1}{4}=\frac{2}{8}$$







$$=3\frac{5}{8}+\frac{2}{8} = 3\frac{7}{8}$$

$$\frac{3}{4} - \frac{2}{3}$$

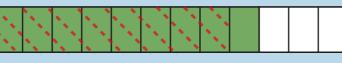
I can't describe the part that is left!



$$\frac{3}{4} = \frac{9}{12}$$

$$\frac{2}{3} = \frac{8}{12}$$

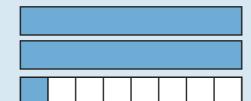
Find a common denominator.



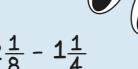
$$\frac{q}{12} - \frac{8}{12} = \frac{1}{12} <$$

I can subtract fractions with the same denominator

Subtracting mixed numbers.

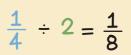


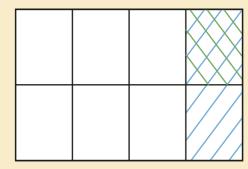
$$2\frac{1}{8} - 1\frac{1}{4}$$



$$\frac{1}{2}$$
 of $\frac{1}{4} = \frac{1}{8}$

$$\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$$
 $\frac{1}{4} \div 2 = \frac{1}{8}$

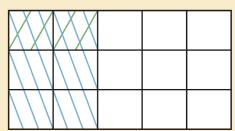




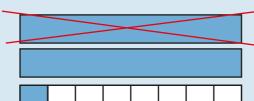
$$\frac{1}{3}$$
 of $\frac{2}{5} = \frac{2}{15}$

$$\frac{1}{3} \times \frac{2}{5} = \frac{2}{15}$$

$$\frac{2}{5} \div 3 = \frac{2}{15}$$



Subtract the whole numbers.

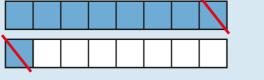


$$=1\frac{1}{8}-\frac{1}{4}$$

 $=1\frac{1}{8}-\frac{1}{4}$

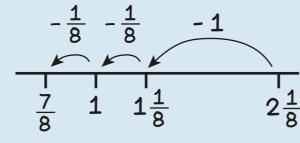
Subtract the fraction by finding a common denominator.

$$\frac{1}{4}=\frac{2}{8}$$



$$= 1\frac{1}{8} - \frac{2}{8}$$

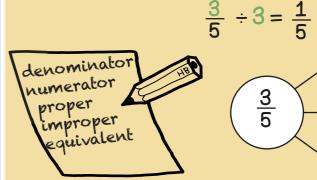
Or on a number line.

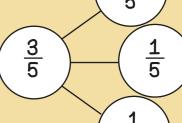


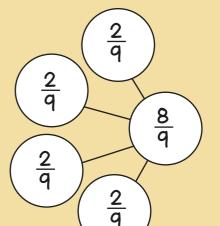
This product is licensed for exclusive use by The Purchasing Institution

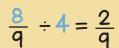
Year 6 Term 3

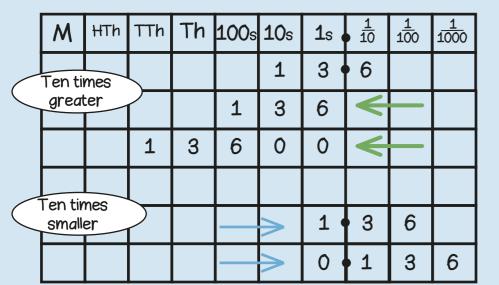












1m = 100 cm

 $13.6 \times 100 = 1360$

so 13.6m = 1360cm

1cm = 10 mm

 $13.6 \times 10 = 136$

so 13.6cm = 136mm

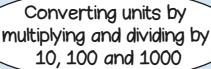
Converting units by multiplying and dividing by 10, 100 and 1000

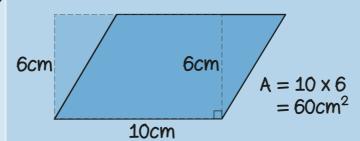
13.6 x 10 move digits 1 place left 13.6 x 1000 move digits 3 places left

 $136 \div 10$ move digits 1 place right 13.6 ÷ 100 move digits 2 places right

1l = 1000 ml $13600 \div 1000 = 13.6$ so 13.600ml = 13.6litres

1kg = 1000 a





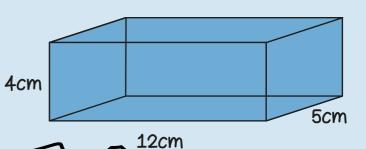
6cm

10cm

= base x perpendicular height

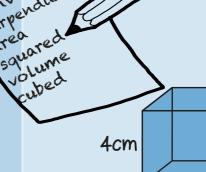
Area of a parallelogram

Volume of a cuboid = length x width x height



4cm

converticular Area of a triangle $=\frac{1}{2}x$ base x perpendicular height $A = \frac{1}{2} \times 10 \times 6$

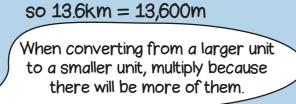


 $V = 4 \times 4 \times 4$ $= 16 \times 4$ $= 64 cm^3$ 4cm

 $V = 12 \times 5 \times 4$

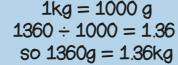
 $= 12 \times 20$

 $= 240 cm^3$



1km = 1000 m

 $13.6 \times 1000 = 13600$



green

3

6

Year 6 Term 4

 $=30cm^{2}$

 $A = 10 \times 6 \div 2$

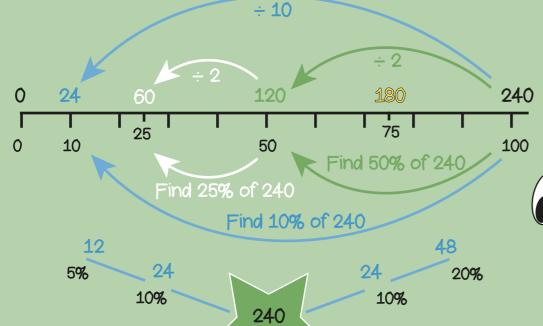
 $= 30 cm^2$

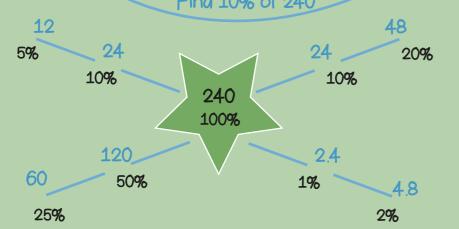


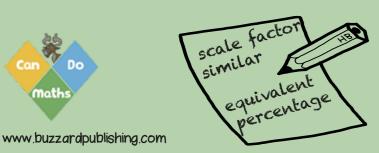
a + a = 2aIf a = 3 $2a = 2 \times 3 = 6$ $a \times a = a^2$ $a^2 = 3 \times 3 = 9$

Buying a mug costs £8 for the mug plus £4 per colour. How much would it cost to get a mug with 3 colours?

£8 + 4 \times 3 = £20







Colin and Coco share £60 Coco gets 3 x more than Colin.

3 green for every 2 yellow

yellow

2

4

6

6cm

total

5

10

15

