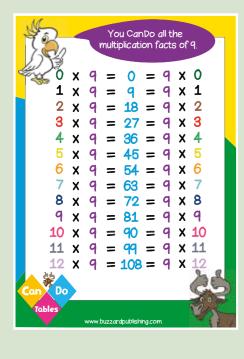




If I know... then I also know...

The digit sum of multiples of 6 is 3, 6 or 9

All multiples of 6 are even numbers.





The digit sum of multiples of 9 is 9

An odd number multiplied by 9 gives an odd product.



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An odd number multiplied by 7 gives an odd product.

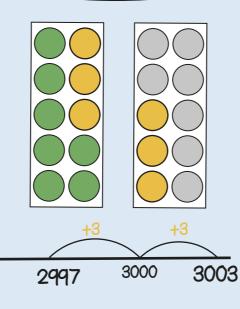
An even number multiplied by 7 gives an even product.

 $64 \times 0 = 0$ The product of a number and zero is zero.

 $64 \times 1 = 64$ The product of a number and 1 is the number itself.

 $64 \div 1 = 64$ The quotient when dividing a number by 1 is the number itself.

2997 + 6
Bridging boundaries



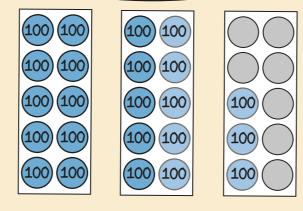
If I know 7 + 6 = 13 then...

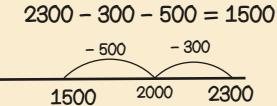
Year 4 Term 2



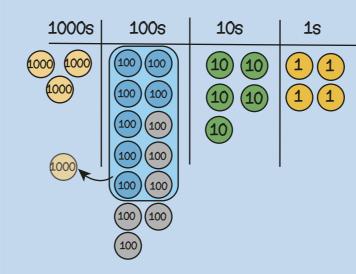
2300 - 800

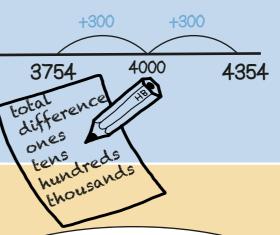
Bridging boundaries
by counting back in
efficient steps



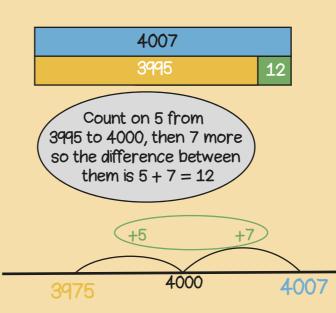


3754 + 600 Add multiples of ten and a hundred

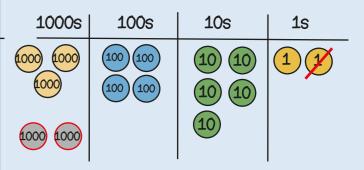




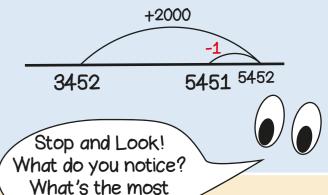
3995 - 4007 Find the difference between two numbers



3452 + 1999 Round then adjust

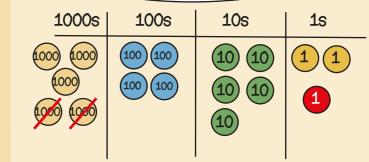


Add 2000 then subtract 1

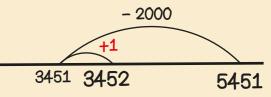


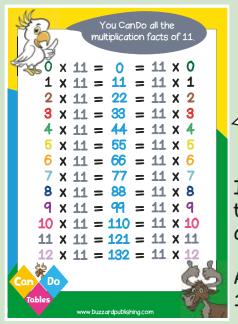
5451 - 1999 Round then adjust

efficient way?



Take away 2000 then add 1

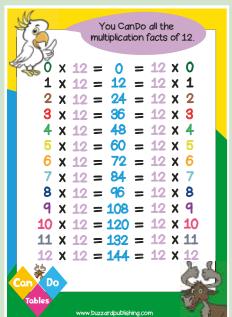




If I know... then I also know...

If the digits are the same then a 2-digit number is divisible by 11

An odd number multiplied by 11 gives an odd product.





A number is divisible by 12 if it is divisible by 3 and 4

All multiples of 12 are even numbers.



$12 \times 6 = 72$	$6 \times 12 = 72$
$72 = 12 \times 6$	$72 = 6 \times 12$
$72 \div 12 = 6$	$72 \div 6 = 12$
$6 = 72 \div 12$	$12 = 72 \div 6$

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

$$5 \times 2 \times 6 = 60 = 6 \times 2 \times 5$$

5 x 2 x 6	5 x 2 x 6	5 x 2 x 6
= 10 x 6	$= 5 \times 12$	$= 2 \times 30$
= 60	= 60	= 60



3543 + 2312No regrouping

1000s	100s	10s	1 s
	100 100	10 10	1 1
(1000) (1000)	100 (100)	(10)	

3 5 4 3 + 2 3 1 2 5 8 5 5

3 + 2 = 54 + 1 = 55 + 3 = 83 + 2 = 5

Year 4 Term 3



1000s	100s	10s	1 s
	100 100	10 10	111

3543 - 1216

Exchanging tens

3 5 ³ **4** ¹ 3 ŽŽ 1 2 1 6 2 3 2 7

If the ones digit in the minuend is less than the ones digit in the subtrahend, I need to exchange 1 ten for 10 ones.

3544 + 2318 Regrouping the ones,

10s

1s

100s

	100 100	10 10	11
(000) (000)	100 100	10	11
	(100)	10 🛌	1 1
3 5	4 4		(1)(1)

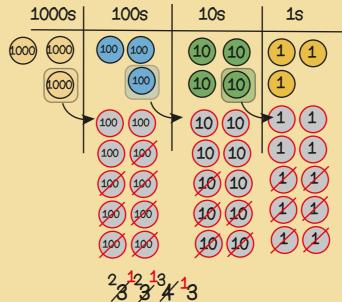
+ 2318 5 8 6 2

1000s

Regroup the 12 ones into 1 ten and 2 ones

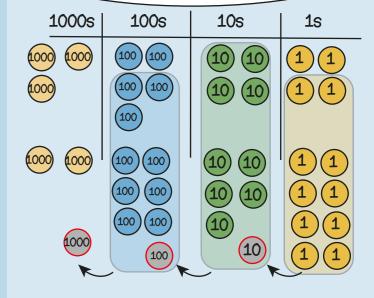


3343 - 1756 Exchanging in multiple columns



1756 Licensed to and for the exclusive use for School organisation_Hardwicke PArochial Primary Academy

3544 + 2658 Regrouping in multiple columns



3 5 4 4 + 2658 6 2 0 2 X X X

If the column sum is equal to ten or more, we must regroup.

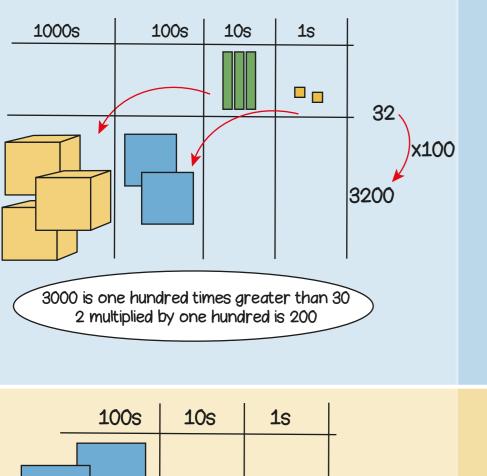
Stop and Look! What do you notice? Where will we regroup or exchange?

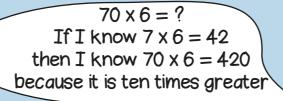


3543 - 835 Different numbers of digits

> ²**3**¹3 ³**4**¹3 8 3 5 2 5 0 8

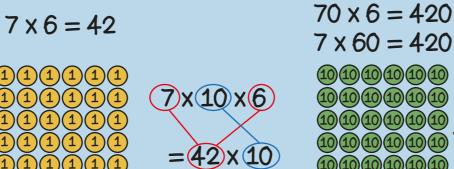
Line up the ones with the ones, the tens with the tens



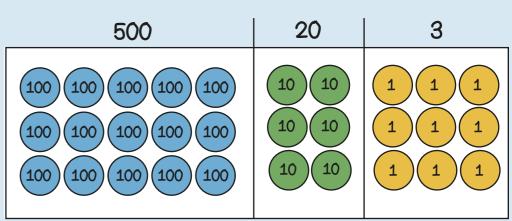


= 420



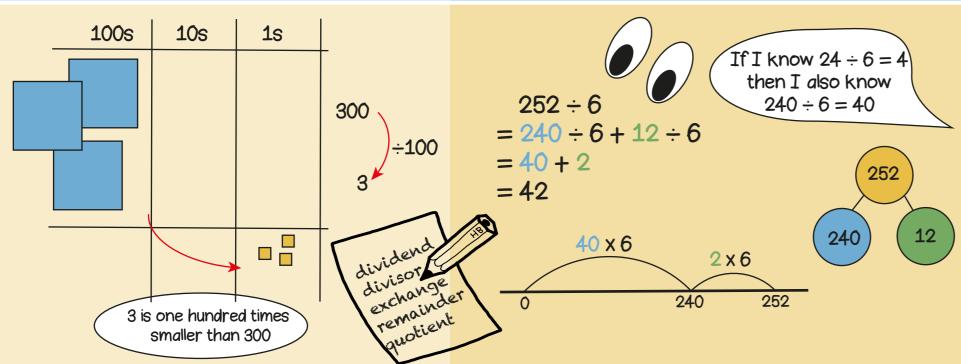


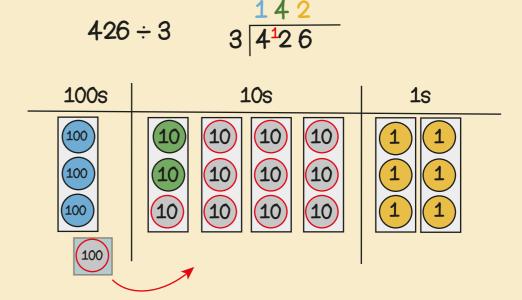






523 1569

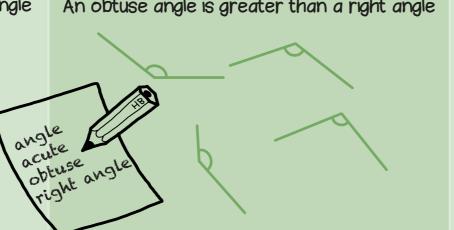


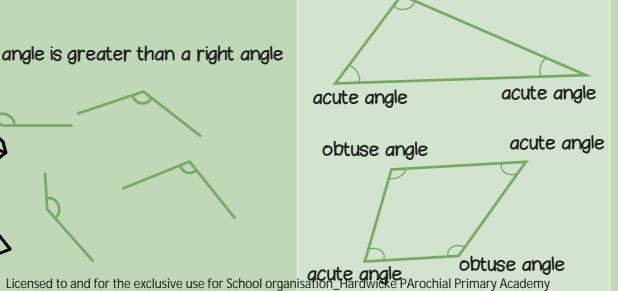




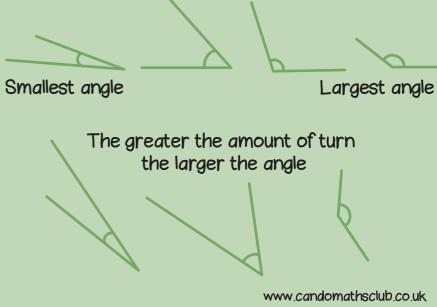
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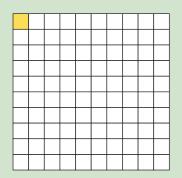
An acute angle is smaller than a right angle An obtuse angle is greater than a right angle





obtuse angle

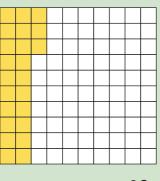


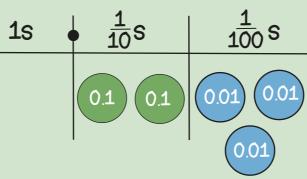


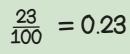
one hundredth one out of 100 equal parts one divided by one hundred

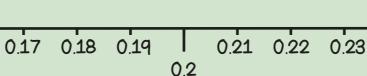
 $\frac{1}{100} = 0.01$

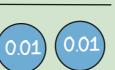


















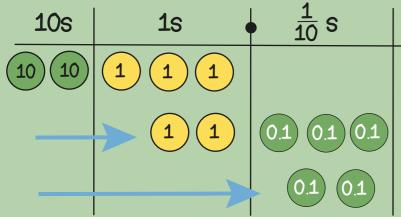
 $\frac{13}{9} - \frac{7}{9} = \frac{6}{9}$

When adding fractions with the same denominators the denominator stays the same, just add the numerators



When subtracting fractions with the same denominators the denominator stays the same, just subtract the numerators.



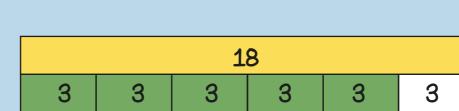




 $23 \div 10 = 2.3$ move digits 1 place right



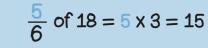
 $23 \div 100 = 0.23$ move digits 2 places right



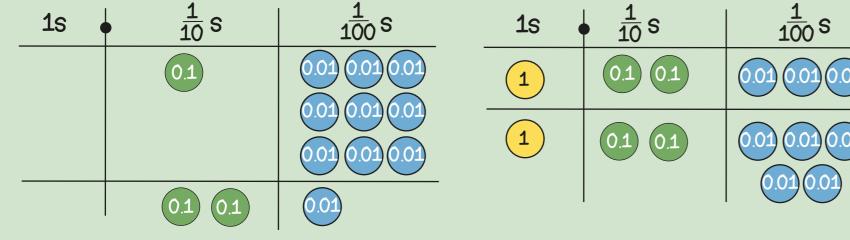
18

3

3



 $\frac{1}{6}$ of 18 = 3



0.21 > 0.19

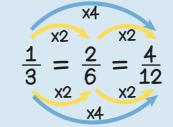
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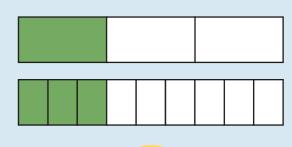
1.23 < 1.25

3.5 rounded to the nearest whole number is 4



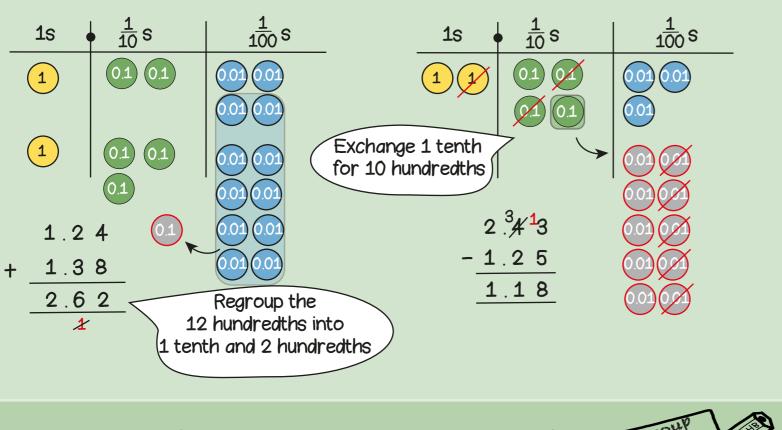
decimal hundreath tenth





хЗ хЗ

Use the same multiplier on the numerator and denominator.



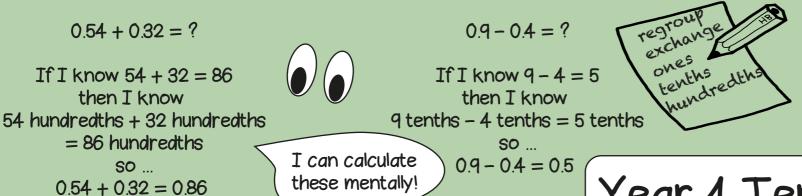
24 hour 10 to 3 in the morning 10 to 3 in the afternoon digital 2:50 p.m. 2:50 a.m. 02:50 14:50 1 hour = 60 minutes1 week = 7 daysso 4 hours = 240 minutesso 4 weeks = $4 \times 7 = 28 \text{ days}$ 60 120 240 300 1 kilometre = 1000 metres 1 kilogram = 1000 grams 1 year = 52 weeks1 litre = 1000 millilitres so 5 years = 260 weeks208 260 3000

Perimeter = 10 + 8 + 5 + 4 + 5 + 4

The perimeter of a shape

is the total distance around the outside of the shape

= 36cm



Year 4 Term 6

5cm

8cm

4cm

10cm

5cm

perimeter

length &

area

is the amount of space inside a shape. From day 5 to day 10

The area of a shape

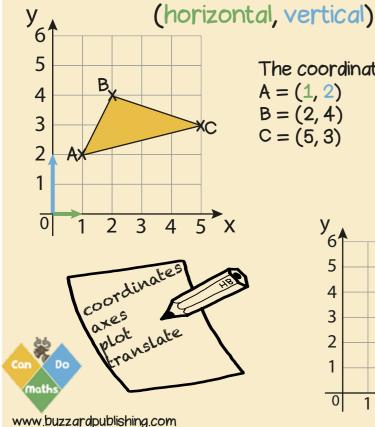
2 3 4 5

7 8 9 10

11 12 13 14 15

16 17 18 19 20

Area = 20 squares



Coordinates

