1st May Foundation 5-a-day	
Find the value of $5x + 3y$ when $x = 6$ and $y = 7$	Corbettmath
Find the output if the input is 27 input Add 15 Divide by 6 output	Find the input if the output is 0 input Add 15 Divide by 6 output
Simplify m ⁸ ÷ m ²	Simplify (m ³) ²
2.5cm 3cm	Find the volume of the cylinder
$s = \frac{m}{c}$	Make m the subject

2nd May Foundation 5-a-day			
Work out the median	Work out the range Corbettmoth		
3 8 4 8 3 5 9	3 8 4 8 3 5 9		
Ian is 1.83m tall Donna is 6cm shorter			
What is Donna's height in metres?			
Bath	Find the bearing of Frome from Bath.		
X Frome	Find the bearing of Bath from Frome.		
20m 11m 14m	Find the area of the shape.		

3rd May Foundation	on 5-a-day
Front	Draw the front view Corbettmαths
Draw the side view	Draw the plan view
Write 60 as a product of primes, in index form.	
Factorise 35w – 45y	
Henry and Lily share 65 sweets in the ratio 2:3. How many sweets does each person receive?	

4th May Foundation	Foundation 5-a-day		
Simplify $6b - 4b$	Simplify $2b \times 3c$	Corbettmaths	
A cuboid has sides length 3cm, 4cm and 5cm.	Work out the surface area		
Work out the volume			
Calculate the volume of the triangular prism.	4m 5m 6m 3m		
Increase £54 by 17%	c ¹⁰ ÷ c ⁵	c ¹⁶	
	$c^7 \times c^3$	c ⁵	
Match each of the expressions	(c ⁸) ²	c ²	
	$\frac{c^6}{c^4}$	c ¹⁰	

5th	May
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£8.16

Foundation 5-a-day



SALE

1/3 OFF ALL ITEMS

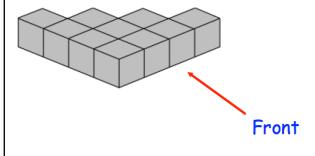
The original price of a football is

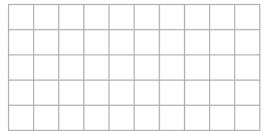
What is the sale price?

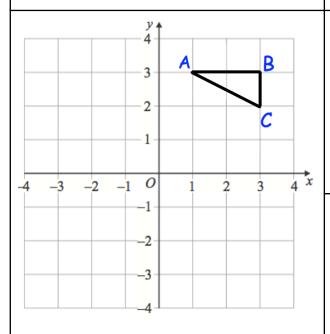
Apples cost *a* pence each. Bananas cost *b* pence each.

Write down an expression for the total cost, in pence, of 6 apples and 2 bananas.

Draw the plan view







Reflect triangle ABC in the y-axis.

Label the triangle, D.

Rotate triangle ABC 90 degrees clockwise about the origin.

Label the triangle, E.

6th May	Foundation 5-a-day	
3 paintings cost £186	Corbettmaths	
How much do 5 paintings cost	?	
Calculate the area of the parallelogram.	5.2cm 5.9cm 11.2cm	
Work out		
$100 - 5^2 \times 2$		
Find the nth term of	Find the 50th term.	
9 13 17 21		
C F F 97° E	Are CD and EF parallel lines?	

7th May Foundation 5-a-day		
A C G G H	Corbettmαths Which shape is congruent to A?	
A man drives 230 miles in 5 hours. What is his average speed?		
12cm 9cm 20cm 15cm	Calculate the volume.	
Faith is 1.42 metres tall. Jo is 3 centimetres taller than Faith. Work out Jo's height in metres.		
Patrick's height is 150 centimetres. During one year, his height increase by 5%. Work out the increase in Patrick's height.		

8th May Foundation 5-a-day Corbettmaths Simplify 8x - 3y + x - 2y2 3 2 1 3 4 5 2 3 3 Calculate the range Calculate the mean 0 Label the probability scale to show: a) The probability of rolling an even number on a dice. Label it with an A b) The probability of rolling a number below 3. Label it with a B Work out the size of the angle marked x. Give a reason for your answer.

1cm

3cm

2cm

4cm

1

How many centimetre cubes are

needed to fill the box?

9th May	Foundation 5-a-c	day
Work out 20% of 30		Corbettmaths
Write down 5 numbers of 3 and a median of 4		
Arrange in order, from sr largest $\frac{7}{12} \frac{1}{3} \frac{5}{6}$	nallest to	
7cm Calculate the area of the parallelogram	7	
\$1.50 = £1 A pairs of trainers cost \$ York or £18 in London. Which is better value?	30 in New	

10th May Foundation	on 5-a-day
Logan has £1.75 Hunter has £2.35	Corbettmaths
How much money does Hunter give Logan so that they have the same amount?	
Shortbread Serves 8	Butter:g
Butter 150g Caster Sugar 75g	Caster Sugar:g
Plain Flour 175g Cornflour 50g	Plain Flour:g
How much of each ingredient will he need for 12 people?	Cornflour:g
2x + 1	Write an expression for the perimeter of this regular hexagon.
Solve $\frac{x}{2} + 3 = 7$	
Martha has 40 postage stamps.	
The ratio of second class to first class is 3:2.	
Work out how many second class stamps Martha has.	

11th May Foundation	on 5-a-day
A bag contains 16 coloured balls. Three are red, five are blue and the rest are black. Frances takes out a ball at random, what is the probability of a:	a) red Corbettmαths b) black
<u>5</u> 2	
Write as a mixed number	
Draw the mirror line on the grid	B 2 A 3 -2 -1 0 1 2 3 4 5 6 x -1 -1 -1 -2 -2 -3 -3 -3 -4 -4 -5 -6
10 🔲 2 🔲 5 = 1	
Put operations into the boxes to make the sum correct.	
Expand 2w(6 – 5w)	Expand a(a + c)

12th May F	oundation 5-a-day
Sarah normally earns £600 each In December she is given a bonu $\frac{1}{5}$ of her normal pay.	
Work out her total pay for Decem	ber.
$\sqrt{x} = 8$	
What is the value of x?	
4cm 6cm	Calculate the volume of the cuboid
Find the value of:	
$\frac{3w+1}{10}$	
When w = 5	
The length of the rectangle is incre	Find the area of the enlarged rectangle.
by 20%. The width of the rectangle is incre by 5%.	ased

13th May Foundation 5-a-day		
Write as a mixed numbe $\frac{5}{3}$		Corbettmaths
The population of an island 2385 By 2015 the population has by $\frac{2}{5}$ What was the population of	decreased	
2015? Make a the subject $Q + C = g$		
149° 122	Find the value	e of x
$\frac{4}{9} + \frac{1}{2}$	$\frac{1}{2} \div \frac{3}{4}$	

14th May Foundation	on 5-a-day
3.4 ÷ 4	7.2 ÷ 5 Corbettmαths
Increase £40 by 30%	Decrease £260 by 5%
spinner 1 1 2 3 2 4	Two spinners are spun. The scores are multiplied together to give a total score. Complete the table. What is the probability of an odd total score?
Omar is organising a charity concert at school. The concert is sold out. The hall holds 31 rows of 19 seats. Each person will pay £5. How much money will Omar raise for charity?	
Candles normally cost £6 each. Two websites have special offers Corbettmaths Candles Candles'R'us Buy 3 get 1 free 20% off	Laura wants to buy 30 candles. Which website should Laura use?

15th May Foundati	on 5-a-day
X X	Find x Corbettmαths
Martin is x years old. Jennifer is 6 years younger than Martin. Connor is three times as old as Martin. Write an expression for Jennifer's age.	Write an expression for Connor's age.
Expand 6(x – 3)	
3cm 3cm	Calculate the surface area of the cuboid
9cm	Calculate the area of the circle

16th May Foundation		Foundati	on 5-a-day	
High Low	London 29°C -3°C	New York 30°C -10°C	Beijing 41°C 2°C	Corbettmαths Which city had the largest difference between their high and low temperature?
Calcula	ate the volu	3cm 5cm		
	y ————————————————————————————————————			Complete the table of values for $y = 4x + 2$ $\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	2 -1 0 -1 -2 -3 -3 -4	1 2	x -	On the grid, draw the graph of y = 4x + 2
Simplify $\frac{c^6}{c^4}$	y			Simplify (c ⁸) ²

17th May Foundation	on 5-a-day
Write 0.06 as a fraction in its simplest form	Corbettmαths Write 12% as a fraction in its simplest form
Simplify	Simplify
8m – 2m	m + m + m
Round the number 7.873 to one decimal place.	Round the number 7.873 to two decimal places.
Work out an estimate for 20.2 × 698.1 19.8 × 5.3	
Mrs Jenkins is organising a charity raffle. She sells 300 tickets for £3 each. The probability that someone wins a prize is 0.2 Each prize cost £8 The profit is donated to charity.	Work out how much money Mrs Jenkins donates to charity.

18th May Foundation	on 5-a-day
The number in each block is found by adding the two blocks directly beneath it. Find the missing numbers.	4.1 1.5 1.2
Expand	Expand
5(x + 3)	y(y - 4)
Here are the first five terms of a number sequence. 3 8 13 18 23 Here are the first four terms of another number sequence. -2 4 10 16	Find two numbers that are in both number sequences.
Sarah makes cupcakes. She makes 20 cupcakes per hour. She makes cupcakes for 31/4 hours	
each day, for 5 days of the week. The cupcakes are packed into boxes that hold 6 cupcakes. How many boxes are needed to hold all the cupcake cakes Sarah has made in 5 days?	

19th May Foundation	on 5-a-day
 + 	7 5 2 -2 -5 Corbettmαths
<u>+</u> = 2	Use the numbers above to complete the sums.
Shown below is a conversion to change between kilograms and pounds.	Using the graph, convert 10 kilograms to pounds.
Pounds 12 10 8 6 4 2 0 0 1 2 3 4 5 6 7 8 9 10 11 Kilograms	Convert 110 pounds to kilograms.
7 B B -5 -4 -4 -3 -4 -1 -1 -0 -1 -2 -3 -4 -5 -6 -7 x	Write down the translation vector that would take A to B.
The price of a new car is £18000 In a sale, the price is reduced by $\frac{2}{9}$	Find the cost of each monthly payment.
Ryan buys the car in the sale. He pays a £2000 deposit and pays the rest over 20 monthly payments.	

20th May Founda	tion 5-a-day
Mon Tues Wed Thurs Fri 2°C -4°C -1°C 3°C 0°C	Corbettmouths Work out the difference between the lowest and highest temperatures
Put these temperatures in order from lowest to highest	Work out the median temperature
Scm 5cm	Calculate the area
Work out the value of 34	Work out the value of 9 ³
Factorise 12y + 16	
729 is both a square number and a cub number. Find two other numbers that are both square numbers and cube numbers.	9

21st May Foundation	on 5-a-day
Solve	Solve Corbettmaths
$\frac{x}{4} = 11$	4x + 2 = 22
Nicola has y marbles. Sean has 45 marbles. Vicky has 10 marbles. Write down an expression for the total number of marbles they have.	
Find the value of 2x – 4	Find the value of 10 – 2x
When x = 10	When $x = 3$
Write these numbers in order of size. Start with the smallest number.	
$\frac{2}{3}$ 0.9 $\frac{3}{4}$ 0.87	
Write 28 as a product of primes. Give your answer in index form.	

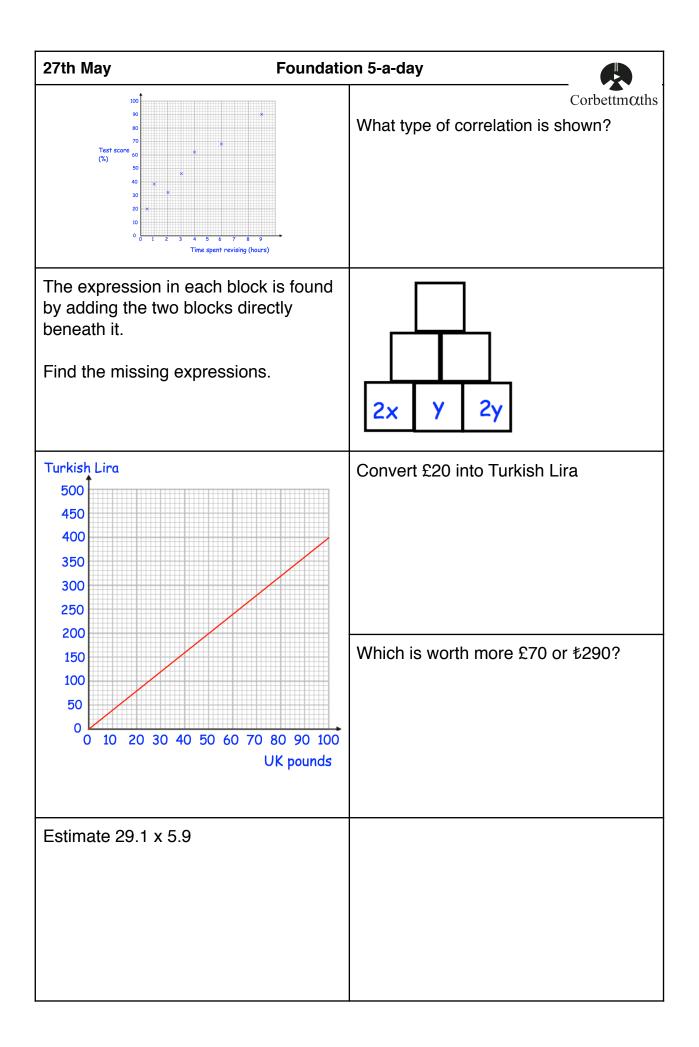
22nd May Founda	tion 5-a-day
Work out 0.9 x 1.4	Work out 0.4 x 0.07 Corbettmαths
Tilly the dog barks every 9 seconds. Billy the dog barks every 12 seconds. They both bark at the same time. After how many seconds will they next bark at the same time?	
The table gives information about the colour of cars in a car park. Colour Frequency Blue 25 Green 14 Red 21 Calculate the size of each angle and then draw an accurate pie chart.	
Front	Draw the side elevation

Write 0.85 as a fraction in its simplest form Write 40% as a fraction in its simplest form Solve 7y + 3 = 38 Solve 4(y - 2) = 20	23rd May	Foundati	tion 5-a-day	
		in its	Write 40% as a fraction in its	nαths
Enlarge the shape by scale factor 2	Solve 7y + 3 = 38		Solve $4(y - 2) = 20$	
Write 60 as a product of primes. Give your answer in index form	Write 60 as a product	of primes.		

24th May Foundation	on 5-a-day
Increase \$6 by 5%	Decrease 90kg by 20% Corbettmαths
10000 9000 X Value (E) 5000 4000 4000 3000 2000 1000 0 1 2 3 4 5 6 7 8 9 Age (years)	What type of correlation is shown?
2m	Find the volume of the cube Find the surface area of the cube
Solve $8(x + 3) = 120$	
Orlando cycles at an average speed of 20mph. How far does he cycle in 3 hours?	Mylo cycles at an average speed of 20mph. How far does he cycle in 45 minutes?

25th May Foundation 5-a-day In a class of 20 students, 12 are male. What percentage of the class are male? What fraction of the class are male? Draw the tangent Draw a chord Reflect triangle ABC using the mirror line y = 1Label the triangle, D. Translate triangle ABC by the vector Label the triangle, E. A first class stamp costs 67p and How much did the stamps cost George? second class stamp costs 58p The ratio of first class stamps to second class stamps that George buys is 1:4 He bought 20 stamps.

26th May Foundation	on 5-a-day
Expand 2y(3y + 5)	Corbettmαths
Four rulers cost £3.60, what would seven rulers cost?	
Riaz buys 20 cameras. He pays £84 for each camera. He sells each camera for 45% more than he paid for them. How much profit does he make?	
9cm 4cm 5cm	Calculate the area
Mrs Jenkins gives £400 to her children Ally, Barry and Cat in the ratio 1:2:5. How much do they each receive?	



28th May Foundation 5-a-day		
Work out 3 3 - 4 2	Corbettmaths	
Find the area of the triangle	9cm 6cm	
£1 = 4.5 Polish zloty	Convert 900 zloty into pounds	
Convert £20 into zloty		
The number of goals scored in a season by seven players were: 48 32 0 62 11 21 43	An eighth player brings the mean goals scored up to 33. How many goals did he score?	
Calculate the mean		
One angle in an isosceles triangle is 40°. Write down the sizes of the other two angles.	Write a different pair of possible angles.	

29th May

Foundation 5-a-day



A holiday normally costs £700.

What is the new cost?

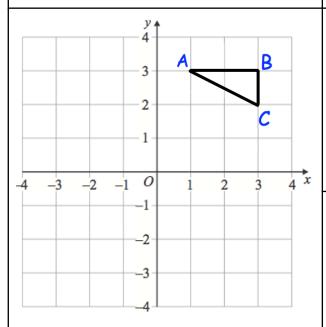
A sign says

 $\frac{1}{5}$ off

A rugby team can win, draw or lose a match

Result	Win	Draw	Lose
Probability	0.4	0.35	

Find the missing probability



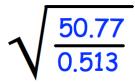
Reflect triangle ABC in the x-axis.

Label the triangle, D.

Rotate triangle ABC 90 degrees anticlockwise about the origin.

Label the triangle, E.

Estimate the value of



60th May Foundation 5-a-day			
7cm 8cm	_	Calculate the area	Corbettmaths
Write down the cub	e root of 64		
$\frac{2}{5} \times \frac{3}{10}$		9/10 - 1/3	
The distance-time gr journey of a car.	aph shows the	How far had the car trav	velled when it
Distance from school (miles) 80			

11:30

40

20

09:00

09:30

10:00

10:30

Time of day

11:00

Work out the speed of the car between 9am and 10am.

31st May	oundation 5-a-day
Oranges cost x pence each. Write an expression for the total of 5 oranges.	Corbettmoths Bananas cost y pence each. Write an expression for the total cost of one orange and one banana.
Solve 4y + 6 = 12	Solve 10x – 3 = 8
The probability of James winning competition is 0.03 What is the probability that James not win the competition?	
Make w the subject $4w + c = m$	
Small Regular £2.08	Which of the two packets gives the better value for money? You must show your working.