March 30th	5-a-day	Numeracy

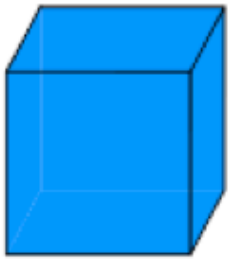
Show the time 1:50 on the clock

Simplify a + a + a + a + a

5a

Simplify 6a + 3a - a

8a



Sketch the net for this solid

cube

Arrange in order from lowest to highest

0.200 0.180 0.202 0.300 0.271

0·18 0·2 0·202 0·27 0·3

Calculate

4 x 1.3

4x13=52

5·2

Calculate

2.4 x 1.2

24x12=288

2·88

March 30th	5-a-day	Foundation

Work out 0.3 x 0.7

0.21

Solve

$\frac{x}{6} = 10$ $x = 60$

0	7	9					
1	2	2	4	5	7	8	8
2	0	1	3	3	5	9	9

0 | 7 means 7 years old

What is the range of the ages?

29 - 7 = 22

What is the median age?

28

Rearrange y = 2x + 1
to make x the subject

$y - 1 = 2x$

$x = \frac{y-1}{2}$

March 30th	5-a-day	Higher

Work out

4^0

1

Work out

4^{-2}

$\frac{1}{4^2} = \frac{1}{16}$

Expression	Length	Area	Volume
$x+y+z$	✓		
xyz			✓
$xy+yz+xz$		✓	

Calculate the length of the line ST

$\tan 53 = \frac{x}{9}$

$x = 9 \tan 53 = 11.94\text{cm}$

Prove

$(n + 2)(n - 3) \equiv (n - 2)(n + 1) - 4$

$n^2 + n - 2n - 2 - 4$

$n^2 - n - 6$

$(n+2)(n-3)$ ✓

Ashley takes two cubes out of a bag, without replacement. There are 5 red, 3 blue and 2 green cubes.

What is the probability he picks two cubes the same colour?

$RR = \frac{5}{10} \times \frac{4}{9} = \frac{20}{90}$

$BB = \frac{3}{10} \times \frac{2}{9} = \frac{6}{90}$

$CC = \frac{2}{10} \times \frac{1}{9} = \frac{2}{90}$

$\frac{28}{90}$