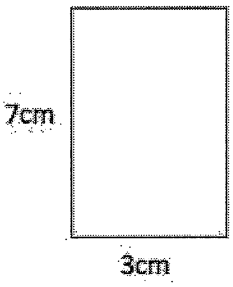
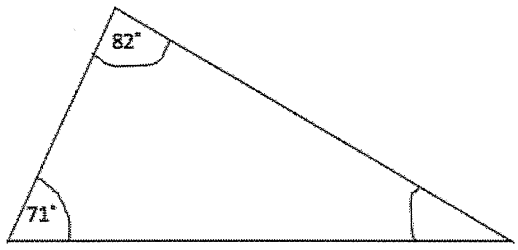
Year 7 Summer Homework 2018

Numeracy

Name : _____

Form : _____

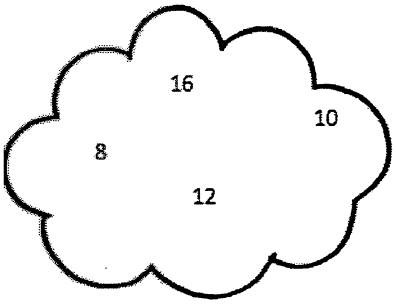
Name: _____ 5-a-day Numeracy

1st August	Corbettmaths
1000 - 15 + 20 - 15	
	Calculate the area of this rectangle. State your units.
Matt catches the 6:53 train from Bristol to Taunton. He arrives in Taunton at 8:22. How long was his journey?	_____ hours _____ mins
	Calculate the missing angle
There are 24 children in Alice's class. Five eighths of the class have school dinners. How many children have school dinners?	

Name: _____ 5-a-day Numeracy

2nd August

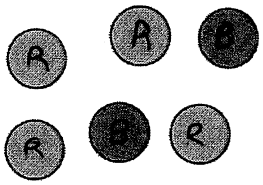
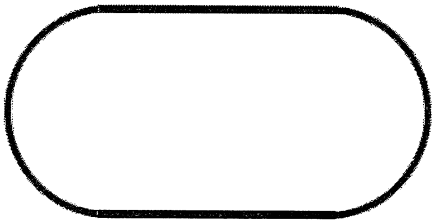
Corbettmaths

Write 600,000 in words	Write four thousand and twelve in figures
	George picks two different numbers shown. He divides one number by the other.
What is the largest number he can get?	What is the smallest number he can get?
$\frac{7}{12}$ of 864	
Simplify fully $\frac{28}{77}$	

Name: _____ 5-a-day Numeracy

3rd August

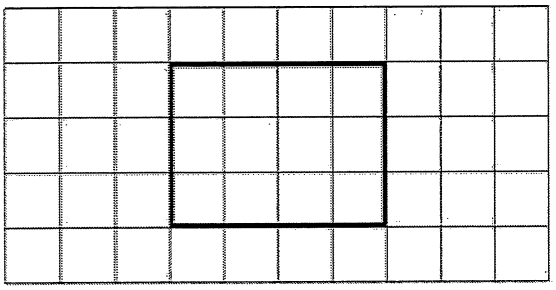
Corbettmaths

7 x 4	3 x 5
 A disc is selected at random	Write down the probability of picking a red disc. Give your answer as a simplified fraction.
 The distance around the running track is 400m.	Andrew completes 5 laps. How far has he run?
Uma completes 15 laps. How far has she run?	Carly runs 5600m. How many laps has she run?
763 x 10 3.8 x 10	84 x 100 0.13 x 100

Name: _____ 5-a-day Numeracy

4th August

Corbettmaths



Shaded 75% of the rectangle

15 26 35 37 40 54 60 72

From the list write down:
Two numbers with a sum of 50

Two numbers with a difference of 32

Four tickets for a trip cost a total of £172.

Work out the cost of one ticket.

START 14:38

FINISH 17:25

How long does the film last?

Beach 450m Hotel 200m

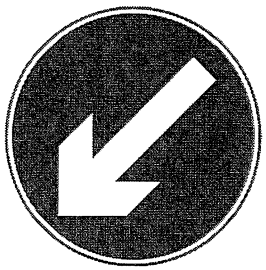
Michael sees this sign while walking

How far is it from the beach to the hotel?

Name: _____ 5-a-day Numeracy

5th August

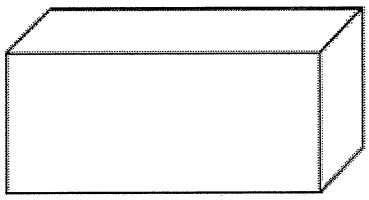
Corbettmaths

Ben has three 50p's and three 20p's. How much money does he have?	
28 + 73	93 - 25
5 x 19	240 ÷ 20
	How many lines of symmetry does the sign have?
Write down the next term in this sequence. 256 128 64 32	Describe the rule for continuing the sequence.

Name: _____ 5-a-day Numeracy

6th August

Corbettmaths



Name _____

How many faces does this shape have?

How many vertices does this shape have?

Menu

Tea	£1.50
Coffee	£2.00
Flapjack	£2.50

Jack pays for **three coffees** and **two flapjacks.**

Altogether how much do they cost?

Max pays for one **tea**, one **coffee** and one **flapjack**.

He pays with a £20 note.

How much change should he get?

Here are the first four terms of a number sequence.

8 12 16 20

Write down the next term in the sequence.

Explain how you found your answer.

Ricky says 1001 is in the sequence.

Explain why Ricky is wrong.

1. In each list, put the numbers in order starting with the smallest.

(a) 172 217 72 198 273

.....

(1)

(b) 3 −8 5 −4 1

.....

(1)

(c) 9 7.5 11.1 8 6.8

.....

(1)

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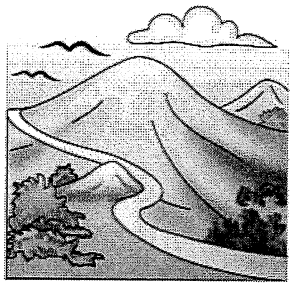
2. Shown below are the heights of five hills.



Altmore	538m
Heathmount	551m
Slemish	499m
Donard	542m
Cley Hill	517m

List the hills in order of size, starting with the smallest.

.....

(1)

3. Arrange these numbers in order of size, starting with the smallest.

one billion
half a million
six hundred and ten thousand
ninety seven thousand
two million

smallest.....

.....

.....

.....

largest.....

(2)

---

4. (a) Write these numbers in order of size.
Start with the largest number.

348 79 384 403 198

.....

(1)

(b) Write these numbers in order of size.
Start with the largest number.

9 −5 1 −13 12

.....

(1)

5. Shown below are the temperatures recorded over four days.

Monday	Tuesday	Wednesday	Thursday
−3°C	−1°C	−6°C	0°C

(a) On what day was the lowest temperature recorded?

.....

(1)

(b) Arrange the temperatures in order, starting with the lowest.

.....

(1)

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6. Write these numbers in order of size.
Starting with the smallest number.

(a) 9, –4, –7, 2, –5

.....

(1)

(b) 0.4, 0.15, 0.08, 0.3, 0.55

.....

(2)

1. From the list of numbers

2 6 11 14 16 18 24 25

(a) write down the square numbers

..... and .....

(2)

(b) write down the square root of 36.

.....

(1)

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2. Write down the value of

(a) 3^2

.....

(1)

(b) seven squared

.....

(1)

(c) 8^2

.....

(1)

(d) ten squared

.....

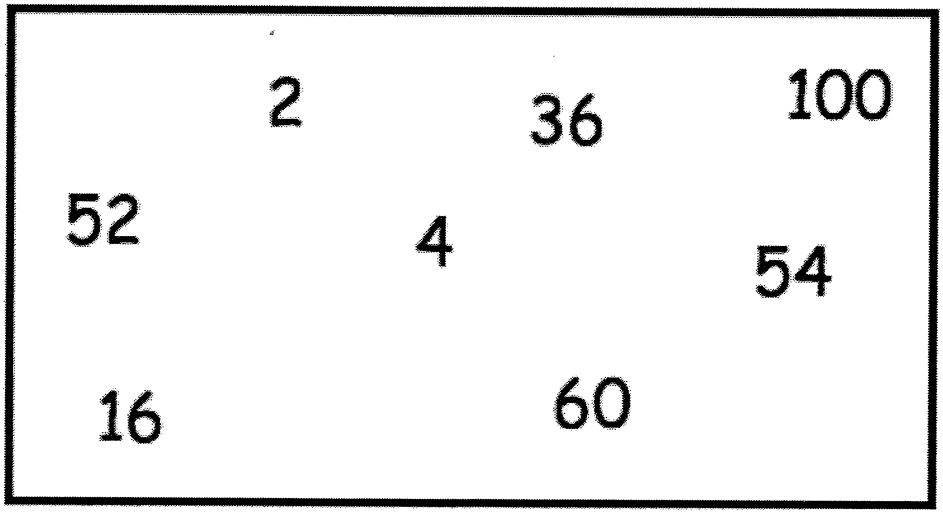
(1)

(e) 12^2

.....

(1)

3.



Circle all the square numbers.

(2)

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4. Write down the value of

(a) $\sqrt{81}$

.....

(1)

(b) $\sqrt{1}$

.....

(1)

(c) $\sqrt{121}$

.....

(1)

(d) $\sqrt{0}$

.....

(1)