Stage 1
Mathematics

represent and use number bonds and related subtraction facts within 20

recognise, find and name a half as 1 of 2 equal parts of an object, shape or quantity

compare, describe and solve practical problems for:
- lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]
- mass/weight [for example, heavy/light, heavier than, lighter than]
- capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]
- time [for example, quicker, slower, earlier, later]

describe position, direction and movement, including whole, half, quarter and three-quarter turns

read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs

solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.

recognise and name common 2-D and 3-D shapes, including:
- 2-D shapes [for example, rectangles (including squares), circles and triangles]
- 3-D shapes [for example, cuboids (including cubes), pyramids and spheres]

read and write numbers from 1 to 20 in numerals and words.

tell the time to the hour and half past the hour and draw the hands on a clock face to show these times

identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least

recognise and use language relating to dates, including days of the week, weeks, months and years

given a number, identify one more and one less

sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]

count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens

solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = □ – 9

recognise and know the value of different denominations of coins and notes

count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number

add and subtract one-digit and two-digit numbers to 20, including zero numbers

recognise, find and name a quarter as 1 of 4 equal parts of an object, shape or quantity

measure and begin to record the following:
- lengths and heights
- mass/weight
- capacity and volume
- time (hours, minutes, seconds)

1 Fill in the missing numbers:

a) 61, 62, 63, …….., …….., ……..

b) 96, 97, 98, …….., …….., ……..

c) 104, 103, 102, …….., …….., ……..

(NPV1, 3 marks)

2 a) Count the stars
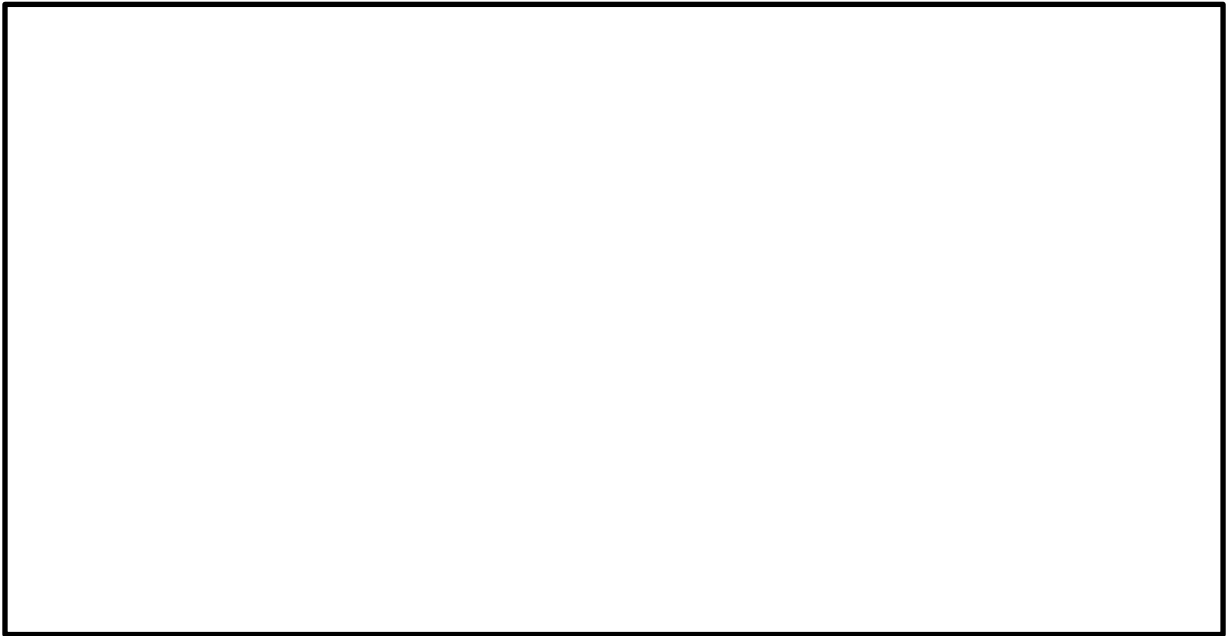
There are ……………… stars
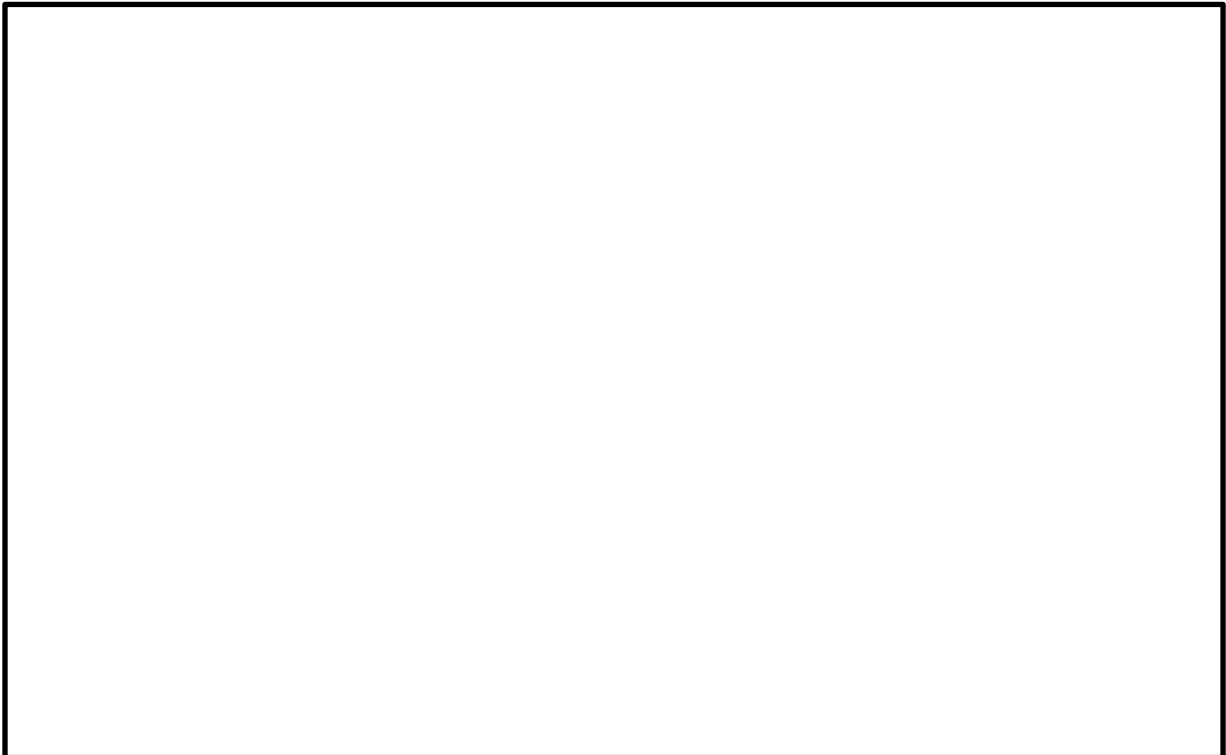
b) Using counters, show me:

i) 23

ii) 34

c) Write the number:

i) fourteen   ………………………

ii) twenty four   ………………………

iii) forty six   ………………………

iv) seventy   ………………………

d) Fill in the missing numbers:

i)   2, 4, 6, ………, ………, ………

ii)   15, 20, 25, …….., ………, ………

iii) 50, 60, 70, ………, ………,   ………

(NPV2, 10 marks)

3   **a)**   Find 1 more than these numbers:

i)   26   ………………………

ii)   48   ………………………

iii) 79   ………………………

iv) 109   ………………………

b)   Find 1 less than these numbers:

i)   23   ………………………

ii)   41   ………………………

iii) 90   ………………………

iv) 111   ………………………

(NPV3, 8 marks)

4 Using tens and ones apparatus, show me:

i) a number greater than 15

ii) a number less than 40

iii) at least 12

iv) more than 50

(NPV4, 4 marks)

5 Match the number with the correct word

two		12
twelve		20
twenty		14
fourteen		2

(NPV5, 4 marks)

6   **a)**   Complete the number sentence:

$$\boxed{} + \boxed{} = \boxed{}$$
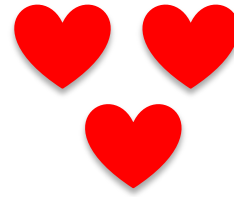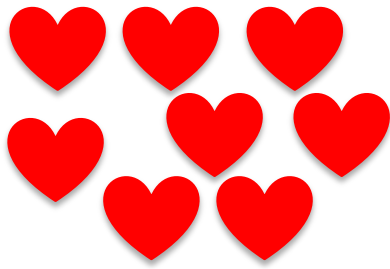
b)   Complete the number sentence
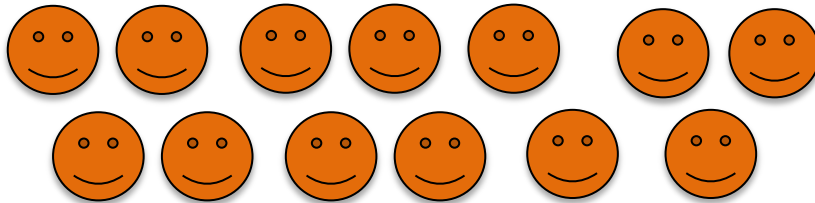
$$\boxed{13} - \boxed{6} = \boxed{}$$

(AS1, 4 marks)

7   Here are some number cards

15	11	8	7	4	11
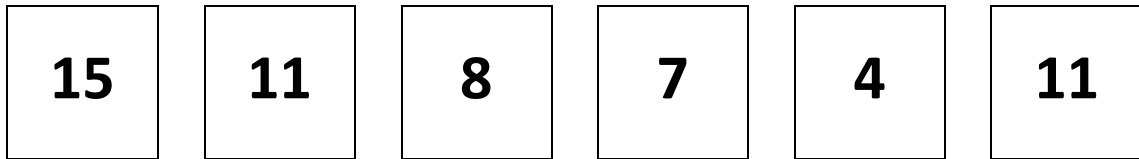
Use the cards to complete the number facts

	+		=	

	−		=	

(AS2, 2 marks)

8   Complete the calculations:

$$11 + 6 \ = \ ………$$

$$13 - 0 \ = \ ………$$

$$4 + 11 \ = \ ………$$

$$14 - 6 \ = \ ………$$

$$9 + …… \ = \ 9$$

(AS3, 5 marks)

9   Find the missing number in each statement:

$$12 \; + \; \boxed{} \; = \; 17$$

$$18 \; = \; \boxed{} \; + \; 13$$

$$17 \; - \; \boxed{} \; = \; 9$$

$$8 \; = \; \boxed{} \; - \; 7$$

(AS4, 4 marks)

10 a) Solve the problems:

i) Double 6

....

ii) Share 12 sweets equally between 3 children

....

**b)** Draw an array to represent:

i) 2 + 2 + 2 + 2 + 2

**ii)** 5 + 5 + 5

(MD1, 4 marks)

11   Represent one half of this rectangle in 4 different ways
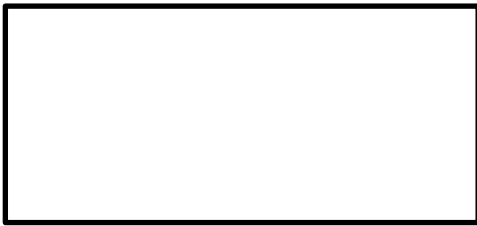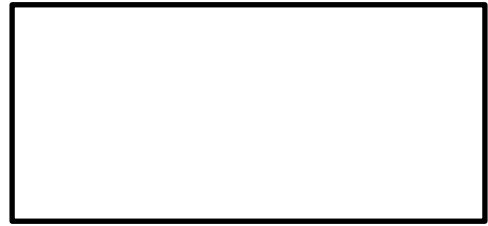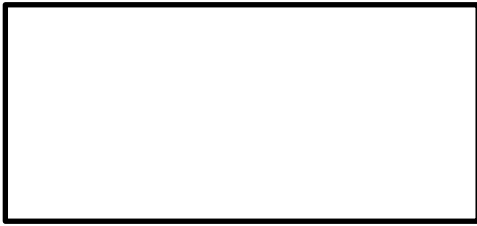
(F1, 4 marks)

12   Put a cross (✗) on one quarter of the shapes
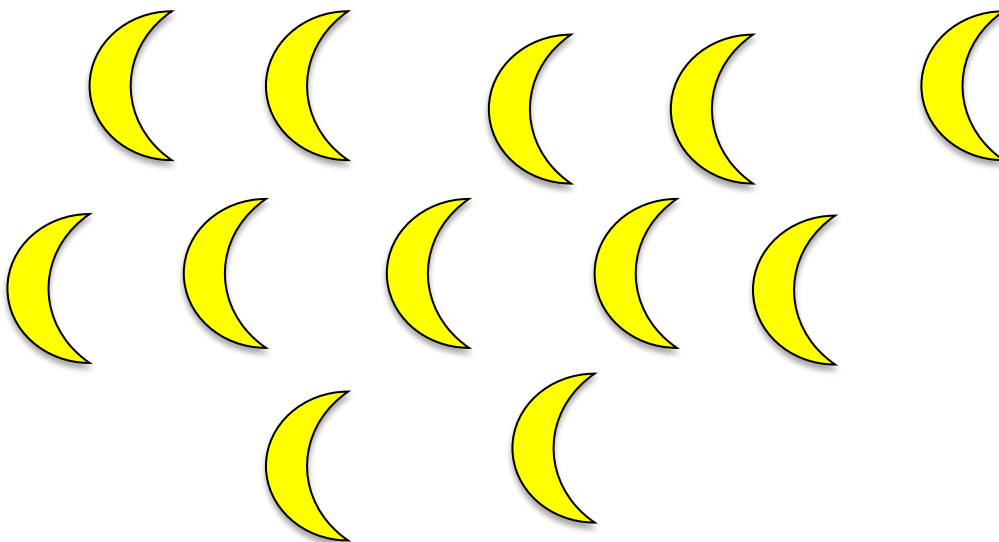
(F2, 2 marks)

13 a) Which line is longer?

A

B

....

b) Which is heavier?

A   A book

B   A pencil

....

(M1, 2 marks)

14   Circle the best answer:

a) The length of a pencil is …

2 centimetres   **2 metres**   **2 miles**

2 kilograms   **20 centimetres**

b) The length of a school day is …

6 seconds   **6 minutes**   **6 metres**

6 hours   **6 centimetres**

(M2, 2 marks)

15 i)   Is this statement true or false?

<div align="center">

**ALL COINS ARE ROUND**

</div>

………

ii)   Explain your answer.

(M3, 2 marks)

16   Complete the statements:

a) The day after Tuesday is   …………………………………

b) The day before Saturday is   …………………………………

c) The month after May is   …………………………………

d) The last month of the year is …………………………………

(M4/M5, 4 marks)

17 a) What is the time?

....
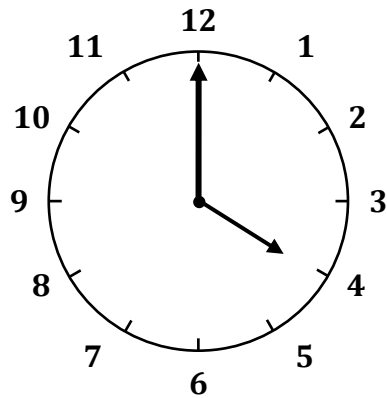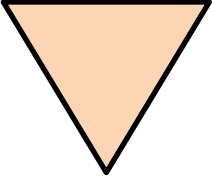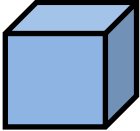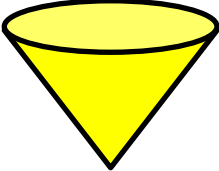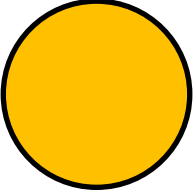
b) Draw hands on the clock to show half past seven
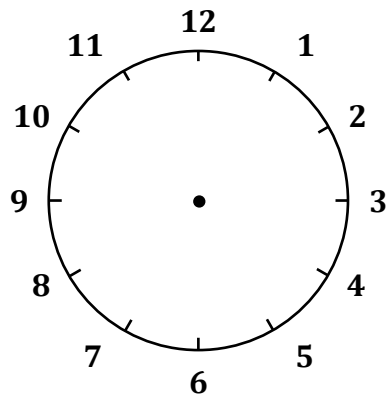
(M6, 4 marks)
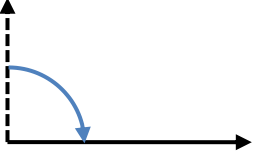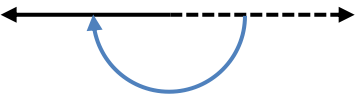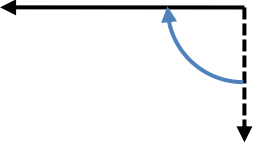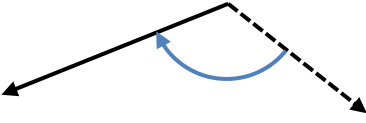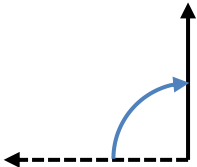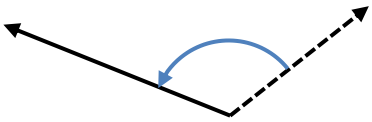
18   Name the 2-D and 3-D shapes

Shape	Name

(GPS1, 6 marks)

19   True (T) or false (F)?

Picture	Statement	T or F?
	Quarter turn	
	Half turn	
	Three quarter turn	
	Three quarter turn	
	Quarter turn	
	Half turn	

(GPS2, 6 marks)

	Number and Place Value	+ and -	× and ÷	Fractions, Decimals & %s	Measure-ment	Geometry: Properties of Shapes	Geometry: Properties of Shapes
		NUMBER					

NOT GOT IT YET?

Key topics I need to work on: