

Mathematics Non-Negotiables

Year 1

Non-negotiables are the minimum expectations that all pupils must attain by the end of year.

These prompt sheets have been designed to assist teachers with planning/assessment and as an ideal support tool for parent's evenings/progress meetings etc.

The content identifies basics to ensure children make rapid progress and access learning in other areas, as well as securing success in terms of preparing children for the next stages in their learning.

Written with age appropriate expectations in mind, they:

- focus on the basics; making a difference to progress for all children
- support teachers in recognising key areas to promote progress
- are based on the average pupil in the cohort, supporting the need for differentiation.

Non-negotiables are in no way intended to cover the entirety of the curriculum – they are an on-going reminder of key objectives for the year group. They are the basics in order to embed and support meaningful learning.

Content:

Mathematics Non-negotiables End of Year Expectations for Year 1 followed by an activity booklet containing example questions.

Did you like this resource? Don't forget to review it [here](#).

Mathematics Non-Negotiables

End of Year Expectations for Year 1

- Count to and across 100, forwards & backwards from any number
- Read and write numbers to 20 in numerals & words
- Read and write numbers to 100 in numerals
- Say 1 more/1 less to 100
- Count in multiples of 2, 5 & 10
- Use bonds and subtraction facts to 20
- Add & subtract: 1 digit & 2 digit numbers to 20, including zero
- Solve one-step multiplication and division using objects, pictorial representation and arrays
- Recognise half and quarter of object, shape or quantity
- Sequence events in chronological order
- Use language of day, week, month and year
- Tell time to hour & half past

Year 1

- Count to and across 100, forwards & backwards from any number

| | | | |
|-------------------------------|--------------------------------|---------------------------------|--------------------------------|
| Start at 9 and count forwards | Start at 49 and count forwards | Start at 75 and count backwards | Start at 95 and count forwards |
|-------------------------------|--------------------------------|---------------------------------|--------------------------------|

- Read and write numbers to 20 in numerals & words

| Fill in the missing boxes | | |
|---------------------------|----------|----------|
| | one | |
| 0 | | 2 |
| three | | |
| | 4 | 5 |
| six | seven | |
| | | 8 |
| | ten | eleven |
| 9 | | |
| | | fourteen |
| 12 | 13 | |
| fifteen | | |
| | 16 | 17 |
| eighteen | nineteen | |
| | | 20 |

Year 1

- Read and write numbers to 100 in numerals

Fill in the missing numbers

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|
| 1 | | | 4 | 5 | | | 8 | | 10 |
| | | 13 | | 15 | | 17 | | | |
| 21 | | | 24 | | 26 | | | 29 | |
| | 32 | 33 | | 35 | | | 38 | | 40 |
| | | | 44 | 45 | | 47 | | | |
| 51 | | 53 | | | 56 | 57 | | | 60 |
| | 62 | 63 | | 65 | | | 68 | 69 | |
| | | | 74 | | 76 | | | 79 | 80 |
| 81 | | | | 85 | | 87 | 88 | | |
| | 92 | 93 | | | 96 | | | | 100 |

- Say 1 more/1 less to 100

| | | | |
|-------------------------|-------------------------|-------------------------|---------------------------|
| What is 1 more than 29? | What is 1 less than 82? | What is 1 more than 99? | What is one less than 50? |
| What is 1 more than 67? | What is 1 less than 1? | What is 1 more than 76? | What is one less than 41? |
| What is 1 more than 19? | What is 1 less than 33? | What is 1 more than 49? | What is one less than 90? |

- Count in multiples of 2, 5 & 10

| | | |
|-------------------------------------|--------------------------------------|--------------------------------------|
| Start at number 2 and count in twos | Start at number 5 and count in fives | Start at number 10 and count in tens |
|-------------------------------------|--------------------------------------|--------------------------------------|

Year 1

- Use bonds and subtraction facts to 20

| | | | |
|---------------------|---------------------|---------------------|--------------------|
| $0 + \square = 20$ | $11 + \square = 20$ | $20 - \square = 20$ | $20 - \square = 9$ |
| $1 + \square = 20$ | $12 + \square = 20$ | $20 - \square = 19$ | $20 - \square = 8$ |
| $2 + \square = 20$ | $13 + \square = 20$ | $20 - \square = 18$ | $20 - \square = 7$ |
| $3 + \square = 20$ | $14 + \square = 20$ | $20 - \square = 17$ | $20 - \square = 6$ |
| $4 + \square = 20$ | $15 + \square = 20$ | $20 - \square = 16$ | $20 - \square = 5$ |
| $5 + \square = 20$ | $16 + \square = 20$ | $20 - \square = 15$ | $20 - \square = 4$ |
| $6 + \square = 20$ | $17 + \square = 20$ | $20 - \square = 14$ | $20 - \square = 3$ |
| $7 + \square = 20$ | $18 + \square = 20$ | $20 - \square = 13$ | $20 - \square = 2$ |
| $8 + \square = 20$ | $19 + \square = 20$ | $20 - \square = 12$ | $20 - \square = 1$ |
| $9 + \square = 20$ | $20 + \square = 20$ | $20 - \square = 11$ | $20 - \square = 0$ |
| $10 + \square = 20$ | | $20 - \square = 10$ | |

- Add & subtract: 1 digit & 2 digit numbers to 20, including zero

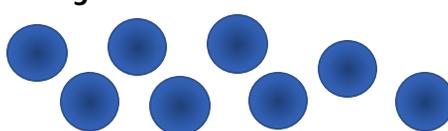
| | | |
|--------------------|--------------------|--------------------|
| $5 + 3 = \square$ | $10 - 1 = \square$ | $7 + 2 = \square$ |
| $20 - 8 = \square$ | $12 + 4 = \square$ | $13 - 2 = \square$ |
| $6 + 7 = \square$ | $8 - 4 = \square$ | $1 + 9 = \square$ |
| $15 - 5 = \square$ | $14 + 6 = \square$ | $16 - 4 = \square$ |

- Solve one-step multiplication and division using objects, pictorial representation and arrays

How many legs do 3 ostriches have?



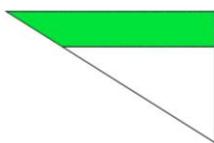
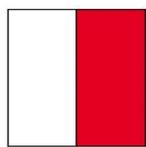
Share the sweets equally into 2 bags.
How many sweets are there in each bag?



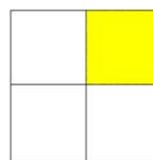
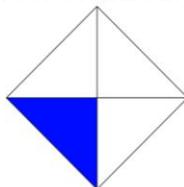
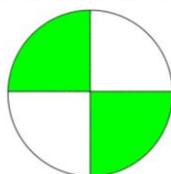
Year 1

- Recognise half and quarter of object, shape or quantity

Tick all the shapes that have half shaded:



Tick all the shapes that have a quarter shaded:



What is half of:

4

10

6

14

8

18

What is a quarter of:

20

8

4

16

12

- Sequence events in chronological order

Put the following in order. Which comes first, second, third and fourth?

Come home from school.

Get up and have breakfast.

Go to bed.

Go to school.

Year 1

- Use language of day, week, month and year

Complete the sentences using the following words:

month

days

year

week

Monday, Tuesday, Wednesday, Thursday and Friday are all I come to school.

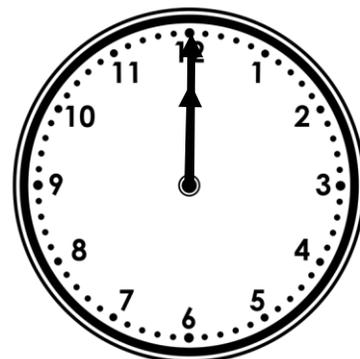
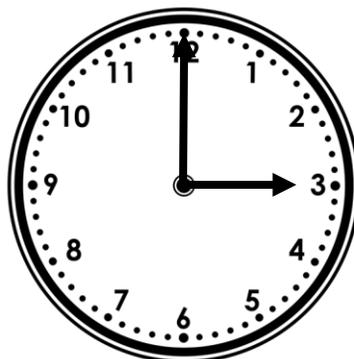
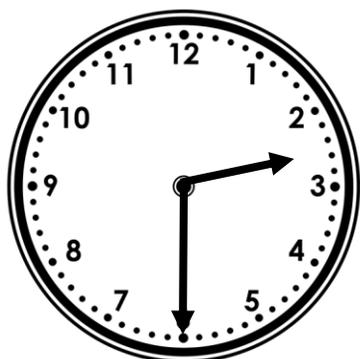
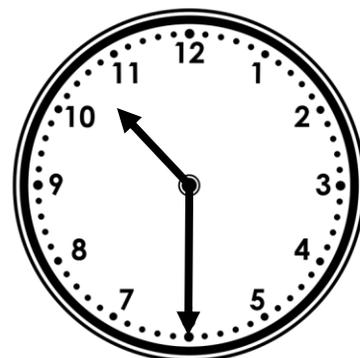
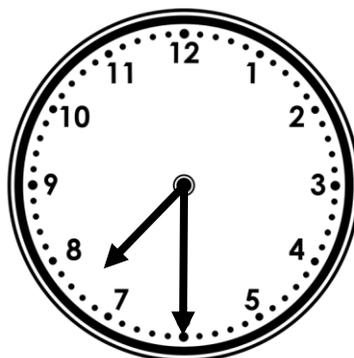
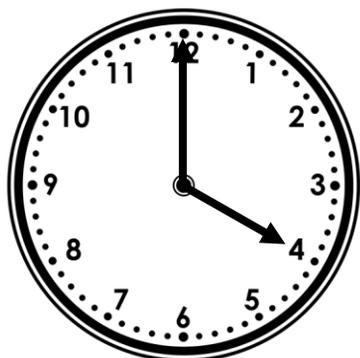
Every I have a birthday.

There are seven days in a .

I was born in the of May.

- Tell time to hour & half past

Write the time underneath the clocks:



Year 1

- Count to and across 100, forwards & backwards from any number

| | | | |
|-------------------------------|--------------------------------|---------------------------------|--------------------------------|
| Start at 9 and count forwards | Start at 49 and count forwards | Start at 75 and count backwards | Start at 95 and count forwards |
|-------------------------------|--------------------------------|---------------------------------|--------------------------------|

- Read and write numbers to 20 in numerals & words

| Fill in the missing boxes | | |
|---------------------------|----------|-----------|
| zero | one | two |
| 0 | 1 | 2 |
| three | four | five |
| 3 | 4 | 5 |
| six | seven | eight |
| 6 | 7 | 8 |
| nine | ten | eleven |
| 9 | 10 | 11 |
| twelve | thirteen | fourteen |
| 12 | 13 | 14 |
| fifteen | sixteen | seventeen |
| 15 | 16 | 17 |
| eighteen | nineteen | twenty |
| 18 | 19 | 20 |

Year 1

- Read and write numbers to 100 in numerals

Fill in the missing numbers

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

- Say 1 more/1 less to 100

| | | | |
|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------------|
| What is 1 more than 29? 30 | What is 1 less than 82? 81 | What is 1 more than 99? 100 | What is one less than 50? 49 |
| What is 1 more than 67? 68 | What is 1 less than 1? 0 | What is 1 more than 76? 77 | What is one less than 41? 40 |
| What is 1 more than 19? 20 | What is 1 less than 33? 32 | What is 1 more than 49? 50 | What is one less than 90? 89 |

- Count in multiples of 2, 5 & 10

| | | |
|-------------------------------------|--------------------------------------|--------------------------------------|
| Start at number 2 and count in twos | Start at number 5 and count in fives | Start at number 10 and count in tens |
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Year 1

- Use bonds and subtraction facts to 20

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| $0 + \boxed{20} = 20$ | $11 + \boxed{9} = 20$ | $20 - \boxed{0} = 20$ | $20 - \boxed{11} = 9$ |
| $1 + \boxed{19} = 20$ | $12 + \boxed{8} = 20$ | $20 - \boxed{1} = 19$ | $20 - \boxed{12} = 8$ |
| $2 + \boxed{18} = 20$ | $13 + \boxed{7} = 20$ | $20 - \boxed{2} = 18$ | $20 - \boxed{13} = 7$ |
| $3 + \boxed{17} = 20$ | $14 + \boxed{6} = 20$ | $20 - \boxed{3} = 17$ | $20 - \boxed{14} = 6$ |
| $4 + \boxed{16} = 20$ | $15 + \boxed{5} = 20$ | $20 - \boxed{4} = 16$ | $20 - \boxed{15} = 5$ |
| $5 + \boxed{15} = 20$ | $16 + \boxed{4} = 20$ | $20 - \boxed{5} = 15$ | $20 - \boxed{16} = 4$ |
| $6 + \boxed{14} = 20$ | $17 + \boxed{3} = 20$ | $20 - \boxed{6} = 14$ | $20 - \boxed{17} = 3$ |
| $7 + \boxed{13} = 20$ | $18 + \boxed{2} = 20$ | $20 - \boxed{7} = 13$ | $20 - \boxed{18} = 2$ |
| $8 + \boxed{12} = 20$ | $19 + \boxed{1} = 20$ | $20 - \boxed{8} = 12$ | $20 - \boxed{19} = 1$ |
| $9 + \boxed{11} = 20$ | $20 + \boxed{0} = 20$ | $20 - \boxed{9} = 11$ | $20 - \boxed{20} = 0$ |
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- Add & subtract: 1 digit & 2 digit numbers to 20, including zero

| | | |
|-----------------------|-----------------------|-----------------------|
| $5 + 3 = \boxed{8}$ | $10 - 1 = \boxed{9}$ | $7 + 2 = \boxed{9}$ |
| $20 - 8 = \boxed{12}$ | $12 + 4 = \boxed{16}$ | $13 - 2 = \boxed{11}$ |
| $6 + 7 = \boxed{13}$ | $8 - 4 = \boxed{4}$ | $1 + 9 = \boxed{10}$ |
| $15 - 5 = \boxed{10}$ | $14 + 6 = \boxed{20}$ | $16 - 4 = \boxed{12}$ |

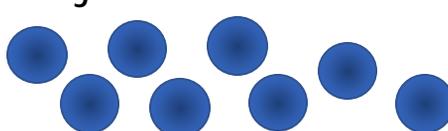
- Solve one-step multiplication and division using objects, pictorial representation and arrays

How many legs do 3 ostriches have?



6

Share the sweets equally into 2 bags.
How many sweets are there in each bag?

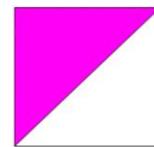
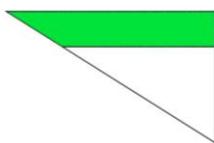
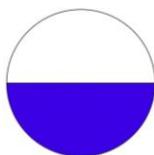
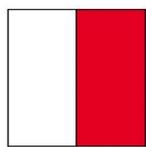


4

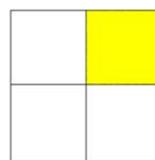
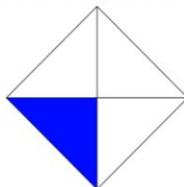
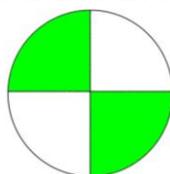
Year 1

- Recognise half and quarter of object, shape or quantity

Tick all the shapes that have half shaded:



Tick all the shapes that have a quarter shaded:



What is half of:

4



10



6



14



8



18



What is a quarter of:

20



8



4



16



12



- Sequence events in chronological order

Put the following in order. Which comes first, second, third and fourth?

Come home from school.

Get up and have breakfast.

Go to bed.

Go to school.

Year 1

- Use language of day, week, month and year

Complete the sentences using the following words:

month

days

year

week

Monday, Tuesday, Wednesday, Thursday and Friday are all **days** I come to school.

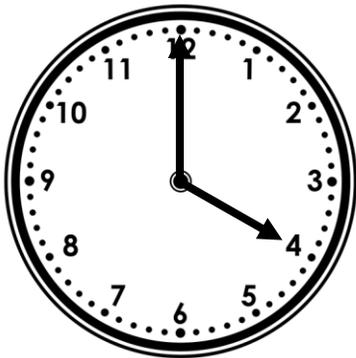
Every **year** I have a birthday.

There are seven days in a **week**.

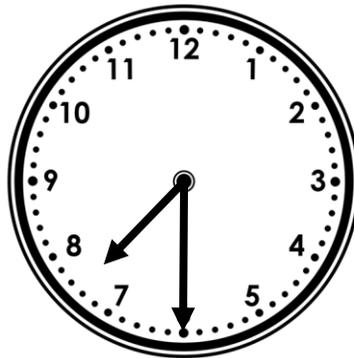
I was born in the **month** of May.

- Tell time to hour & half past

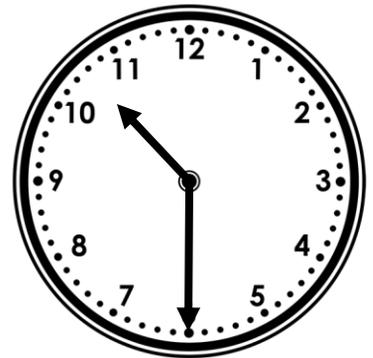
Write the time underneath the clocks:



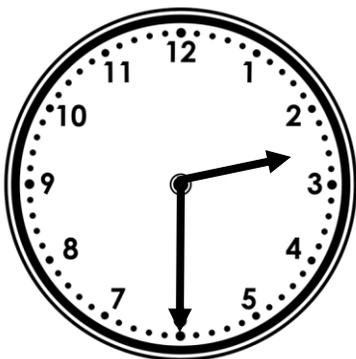
4 o'clock



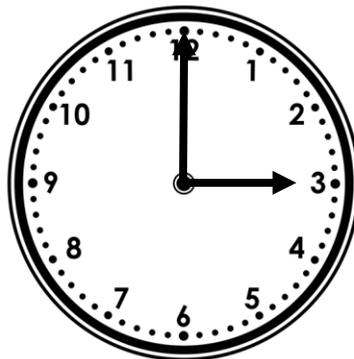
half past seven



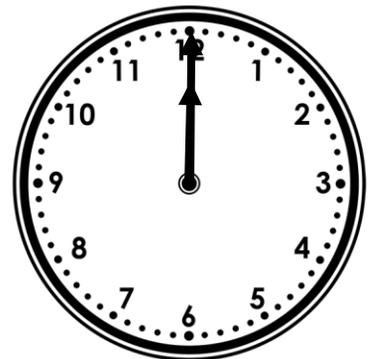
half past ten



half past two



three o'clock



twelve o'clock