ASPIRE
INTERNATIONAL SCHOOL

MATHEMATICS
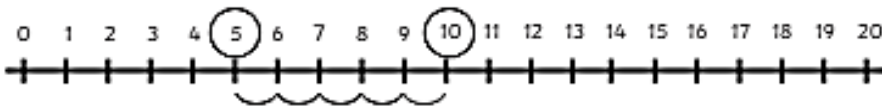## YEAR 1
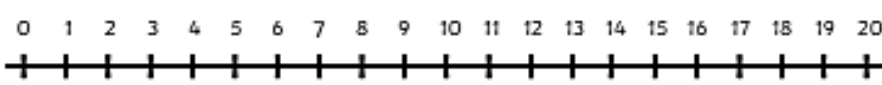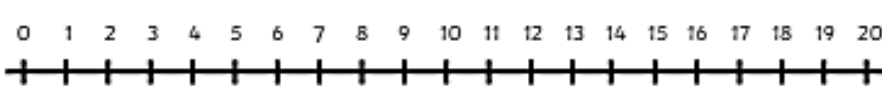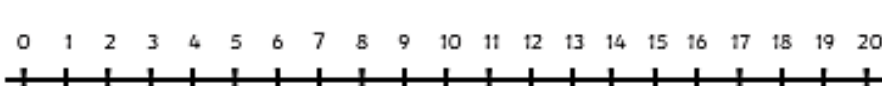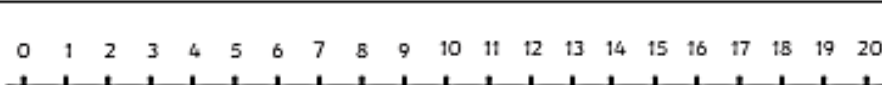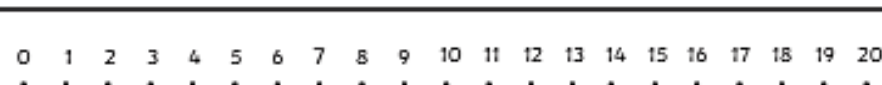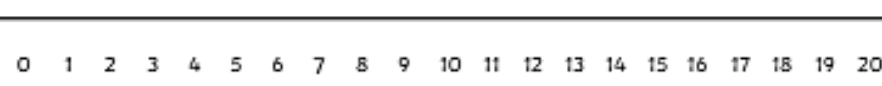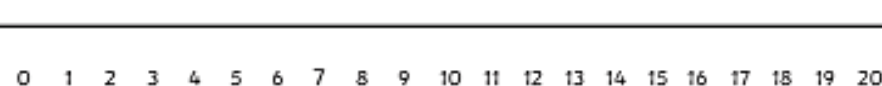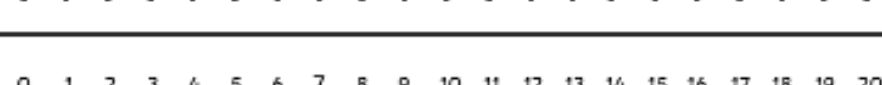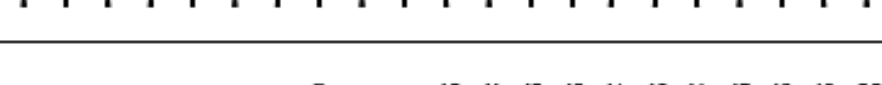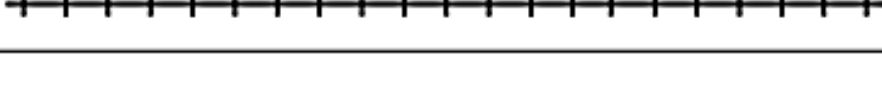
Name: —————————————————————

Class: —————————————————————

Number Line Subtraction

Example	
<u>10</u> - 5 = ⑤	0 1 2 3 4 ⑤ 6 7 8 9 ⑩ 11 12 13 14 15 16 17 18 19 20

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

$$20 - 1 = \boxed{}$$

$$20 - 2 = \boxed{}$$

$$20 - 3 = \boxed{}$$

$$20 - 4 = \boxed{}$$

$$20 - 5 = \boxed{}$$

$$20 - 6 = \boxed{}$$

$$20 - 7 = \boxed{}$$

Calculate and color by number

10 - 9 brown   10 - 5 dark green
 9 - 7 light green   12 - 6 blue
11 - 8 red   14 - 7 orange
13 - 9 yellow   12 - 4 pink

Subtraction to 20

```
0   1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16   17   18   19   20
```
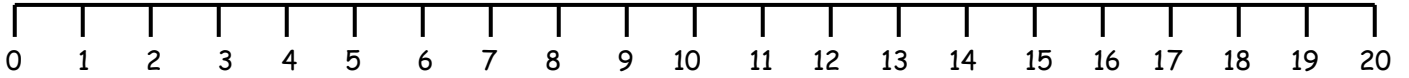
Complete these sums.

1	11 – 5 =	11	18 – 3 =
2	16 – 8 =	12	19 + 8 =
3	12 – 6 =	13	15 – 0 =
4	13 – 2 =	14	12 – 8 =
5	7 – 7 =	15	13 – 7 =
6	15 – 5 =	16	8 – 7 =
7	17 – 3 =	17	14 – 9 =
8	19 – 6 =	18	20 – 4 =
9	20 – 1 =	19	13 – 9 =
10	14 – 4 =	20	10 – 6 =

Fill in the blank squares to complete the sums.

$\square - \square = 10$ $\square - \square = 5$

$\square - \square = 10$ $\square - \square = 5$

$\square - \square = 10$ $\square - \square = 5$

$\square - \square = 10$ $\square - \square = 5$

Counting coins

1   Count the coins and write the amount shown.

a   =   p

b   =   p
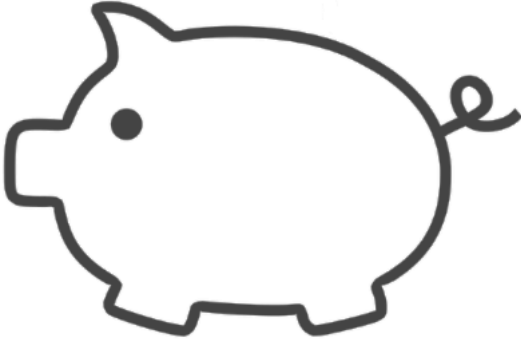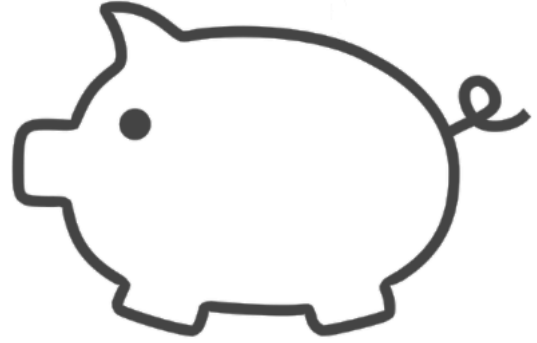
c   =   p

d   =   p

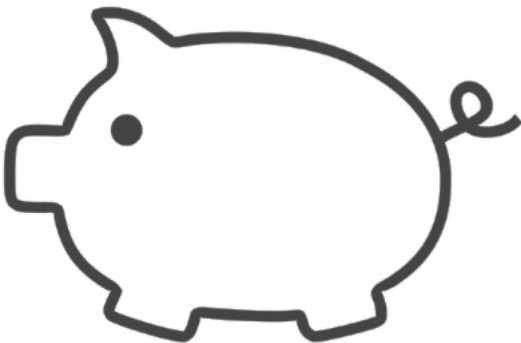e   =   p

f   p   =

g   p   =

h   p   =
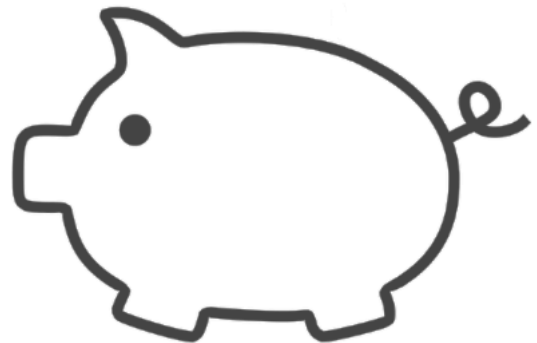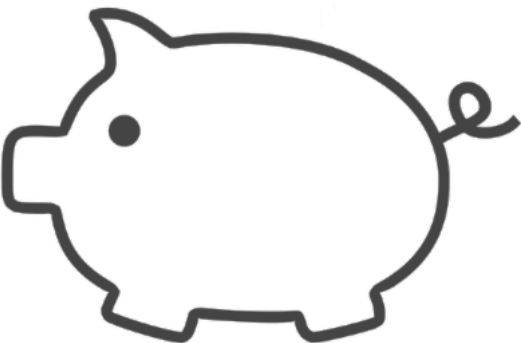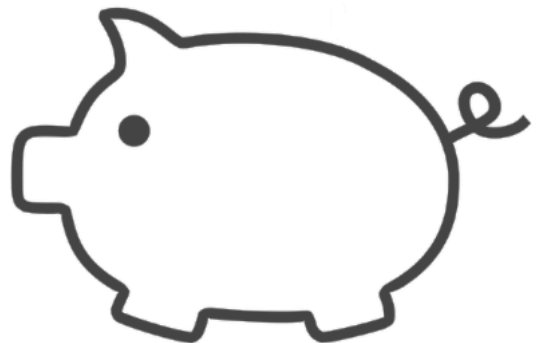
Draw money in each of the piggy banks to show the amounts.

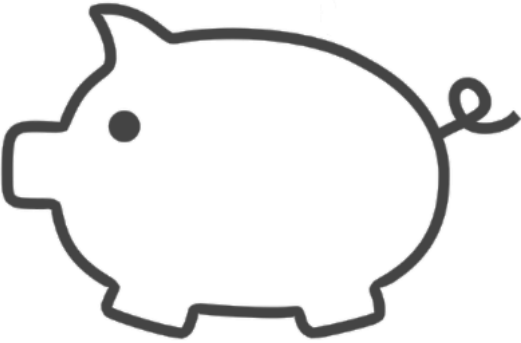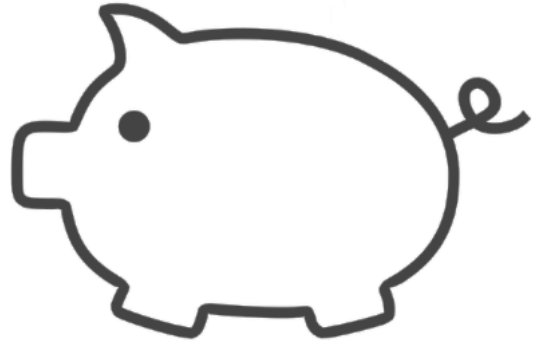|	
a	**b**
3p	7p
c	**d**
11p	24p
e	**f**
40p	35p
g	**h**
21p	13p

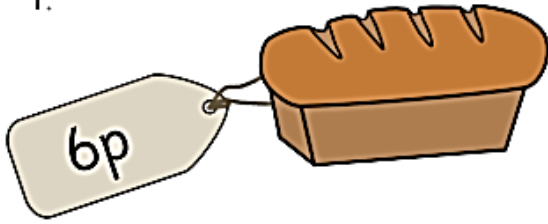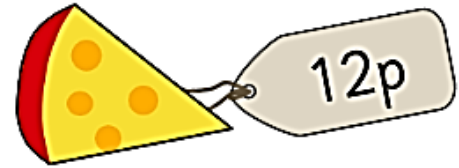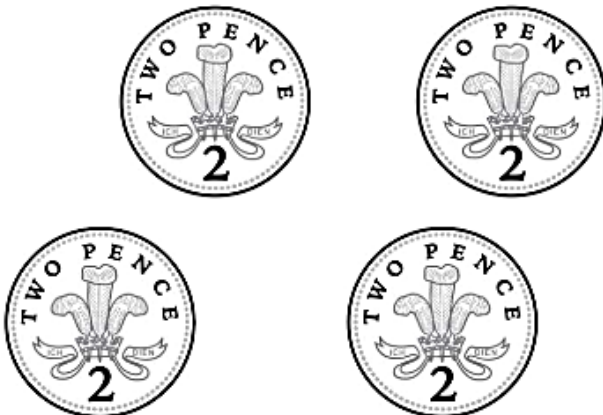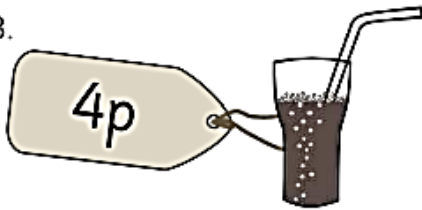Colour the correct amount of coins to buy each object.

1.

6p

2.

12p

3.

4p

4.

10p

Colour the correct amount of coins to buy each object.

1.

14p
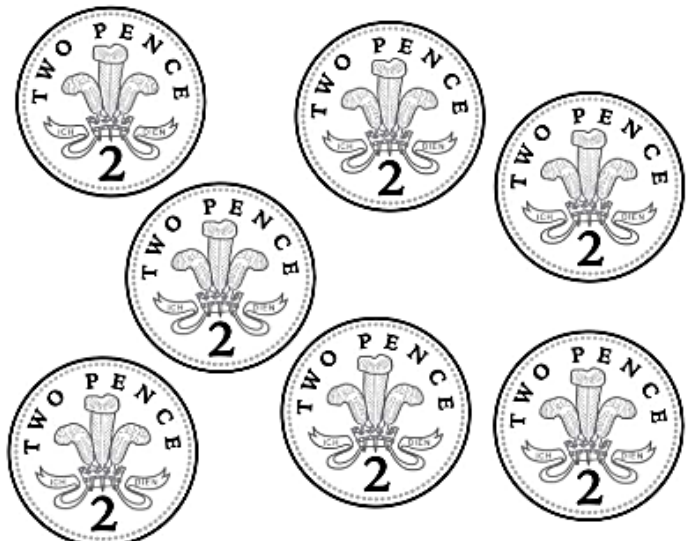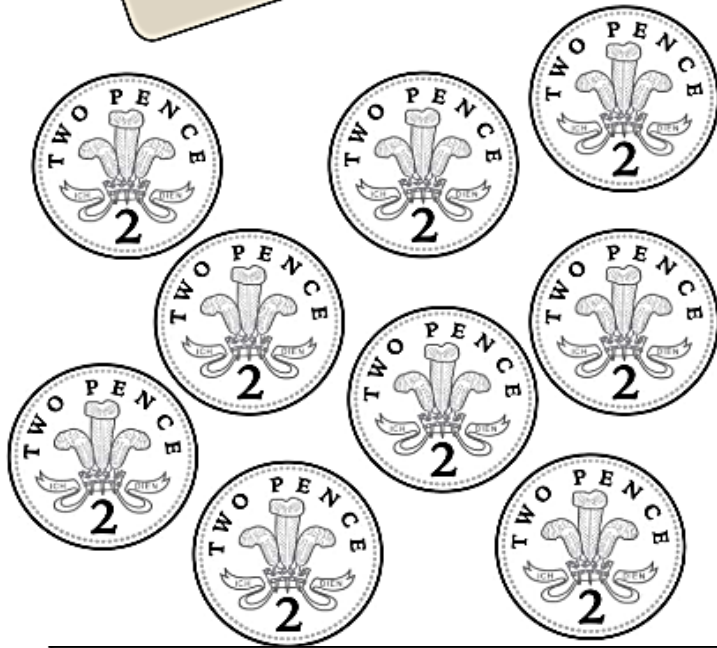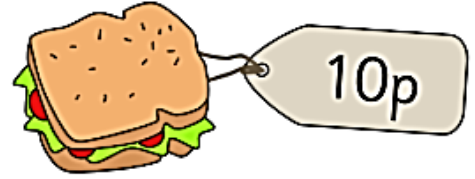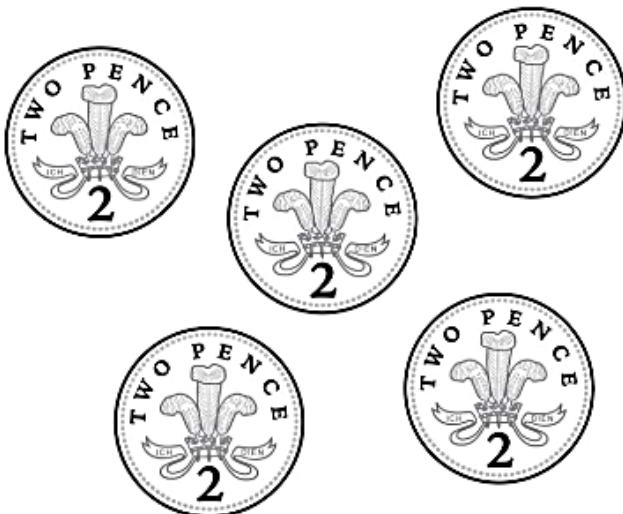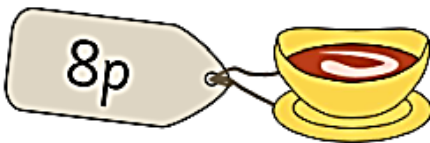
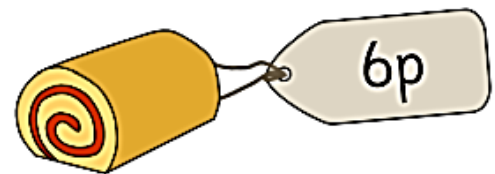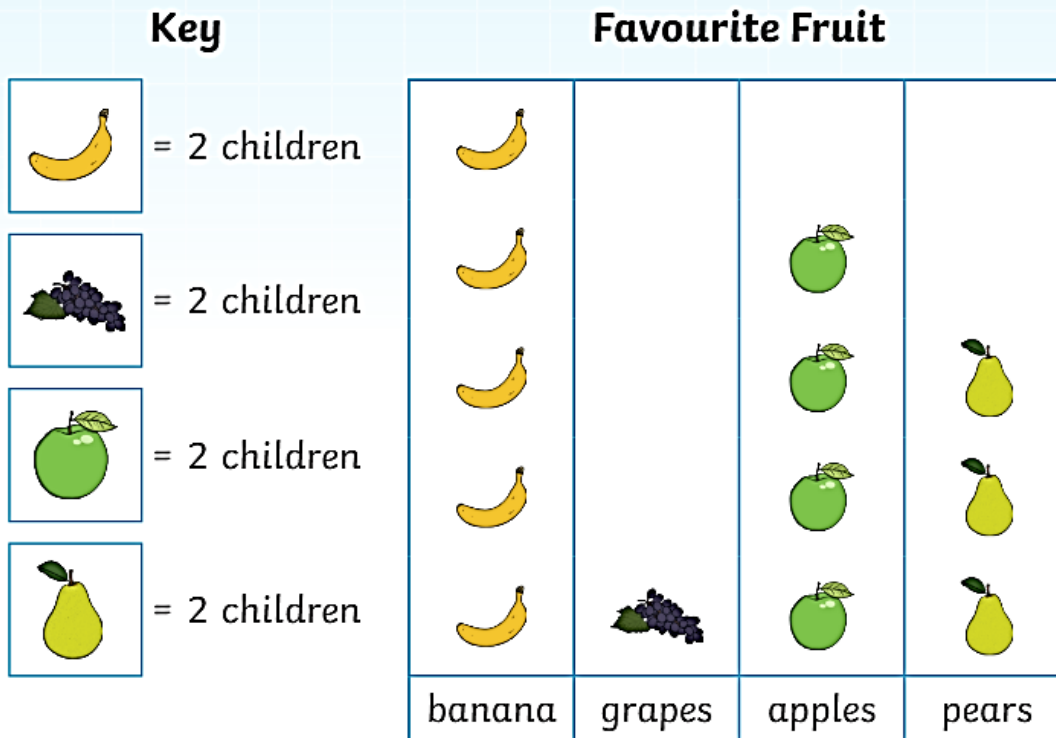2.

10p

3.

8p

4.

6p

Interpreting Scaled Pictograms

Look at the pictogram and answer the questions.

Key

Favourite Fruit

= 2 children

= 2 children

= 2 children

= 2 children

| banana | grapes | apples | pears |

What is the most popular favourite fruit? _____

How many children chose apples as their favourite fruit? _____

How many more children chose bananas than grapes as their favourite fruit? _____

How many children chose apples or pears as their favourite fruit? _____
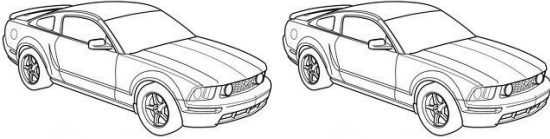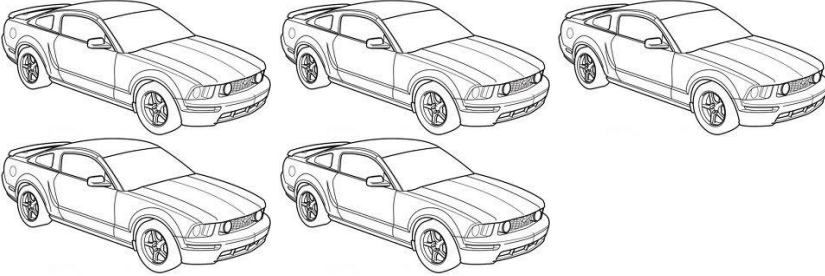
Write your own questions for a friend.

_____

_____

_____

Target: I can use a pictogram to answer questions.

This **pictogram** shows how many cars were in Matt the mechanic's garage last week.

How many cars were in the garage each day?

Day of the week	Amount of cars	Number
Monday		
Tuesday		
Wednesday		
Thursday		
Friday		

Use the **pictogram** to answer these questions. Remember to read the questions carefully!

On which day was there **only 1** car in the garage?

....

On which day were the **most** amount of cars in the garage?

....

On which day were the **least** amount of cars in the garage?

....

How many cars were there **altogether**?

....

Me:	Learning Objective:	Teacher:
	I can use a pictogram to answer questions.	

A Pictogram Showing the Fruit in a Fruit Bowl

Apples	🍎	🍎	🍎	🍎	🍎	🍎	🍎
Pears	🍐	🍐	🍐	🍐	🍐	🍐	
Oranges	🍊	🍊	🍊	🍊			
Bananas	🍌	🍌	🍌	🍌	🍌		
Peaches	🍑	🍑					
Plums	🟣	🟣	🟣				

How many pears were in the bowl?   _____

How many bananas were in the bowl?   _____

How many plums were in the bowl?   _____

How many oranges were in the bowl?   _____

Of which fruit was there the **most**?   _____

Of which fruit was there the **least**?   _____

How many **more** apples were there than oranges?   _____

How many **fewer** peaches were there than bananas?   _____

How many pieces of fruit were in the bowl **altogether**?   _____

_____

A group of children voted for their favorite toys.

Number of children who voted

Toy car	♥	♥	♥	♥	♥
Ball	♥	♥			
Teddy bear	♥	♥	♥		
Doll	♥	♥	♥	♥	

♥ = 1 child

1. How many children voted for the doll?

2. How many children voted for the teddy bear?

3. What toy is liked the most by the children?

4. What toy is liked the least by the children?

5. How many children voted in total?

Put the words in the correct positions in the Carroll Diagram:

Pat   Pete   goat   rat

	Animal	**Name**
3 Letter Word		
4 Letter Word		

Put the letters in the correct positions in the Carroll Diagram:

U   o   W   j

	Uppercase	**Lowercase**
Vowel		
Consonant		
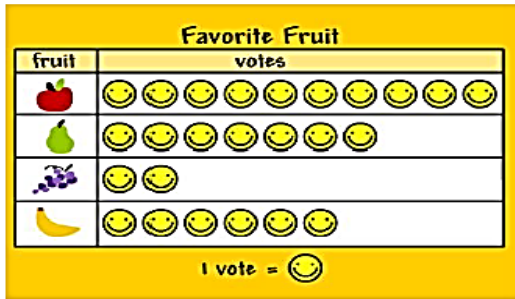
1.

How many students like bananas and grapes?

a) 6   b) 5

c) 7   d) 8
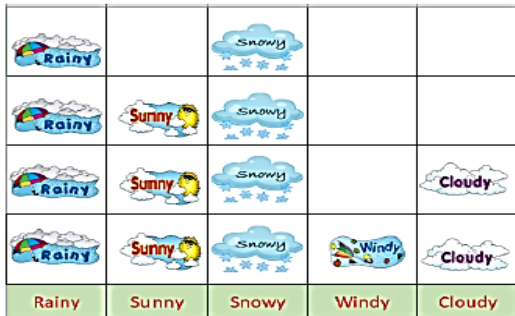
2.

Which types of weather have the same number of pictures?

a) Rainy and Sunny   b) Snowy

c) Rainy and Snowy   d) Rainy
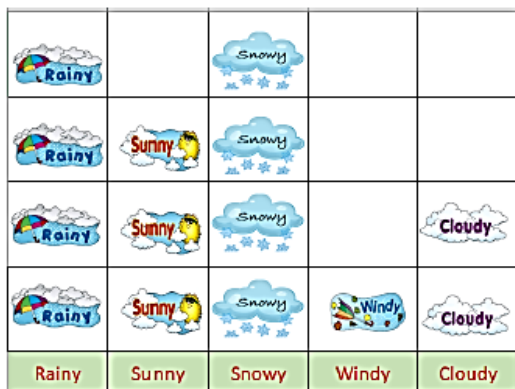
3.

Among Sunny, Windy and Cloudy, which one is the most common?

a) Cloudy   b) Windy

c) Sunny
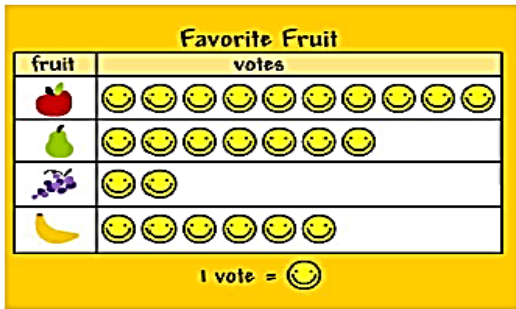
4.

Based on this pictogram, what is the most favourite fruit?

a) Apple

b) Grape

c) Guava

d) Banana
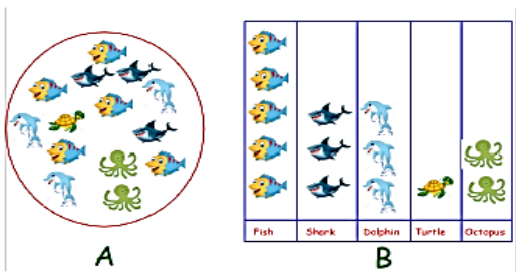
5.

Which one is a pictogram?

a) B

b) A
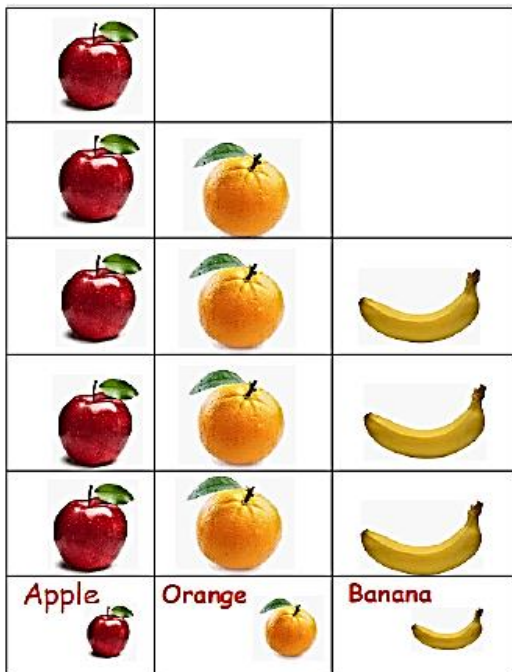
6.

How many fruits in total?

a) 12

b) 3

c) 4

d) 5
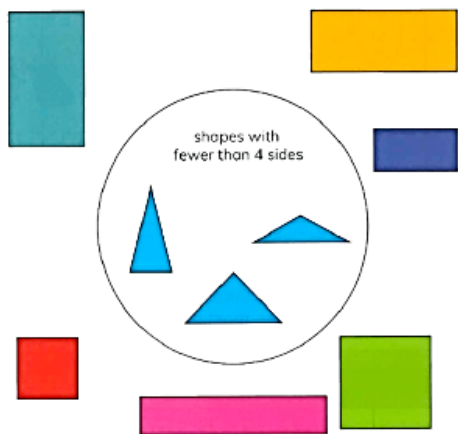
7.

How many shapes are there altogether?

a) 8   b) 9

c) 6   d) 7
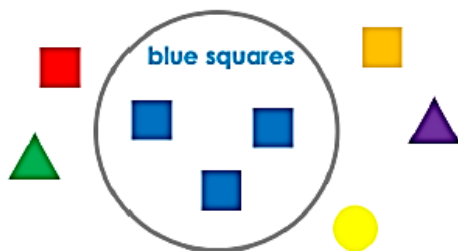
8.

How many blue squares are there?

a) 3   b) 2

c) 1   d) 4
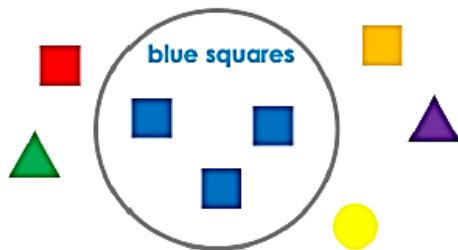
9.

How many shapes are not blue squares?

a) 4   b) 5

c) 6   d) 7

10.

How many shapes are there in total?

a) 10   b) 8

c) 9   d) 7

11. A Carroll diagram uses a table to sort shapes, images and numbers.

a) false   b) true

Look at the bar graph and answer the questions.

Weather bar graph
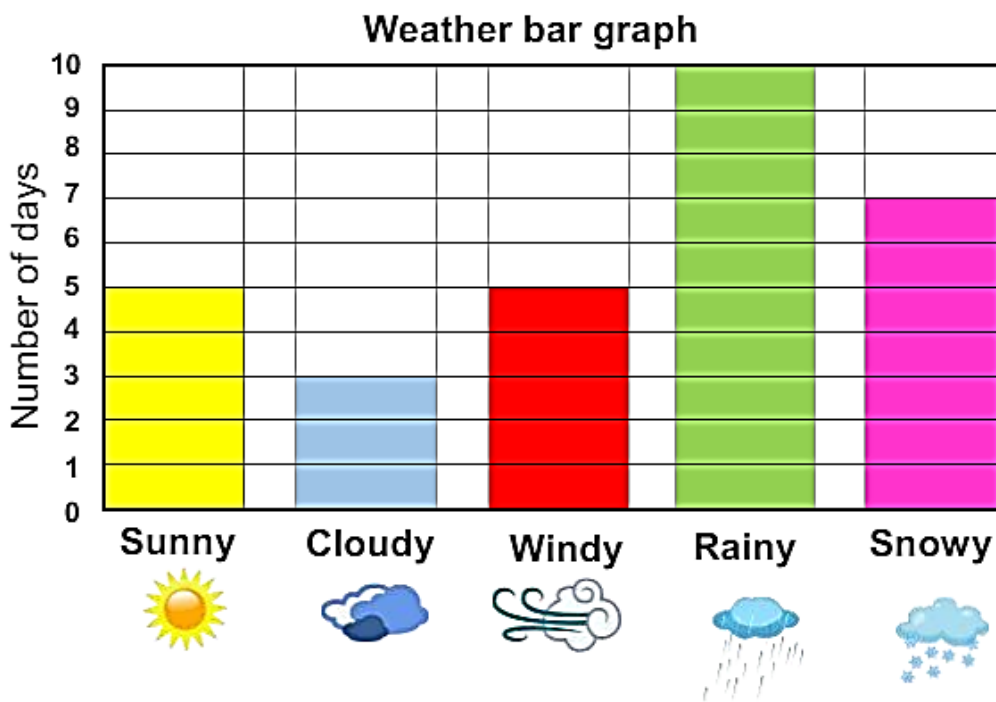
1. How many days were sunny?

    a.   3   b.   5   c.   7

2. How many days were rainy?

    a.   8   b.   9   c.   10

3. How many more snowy days were there than cloudy days?

    a.   4   b.   5   c.   7

4. How many fewer windy days were there than rainy days?

    a.   5   b.   8   c.   10

5. How many days were sunny and snowy?

    a.   8   b.   12   c.   15

Write the time each clock shows on the lines below:

....

....

....

....
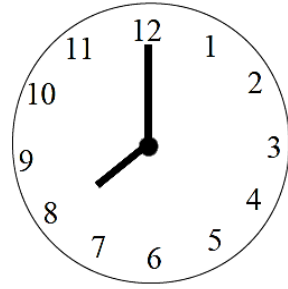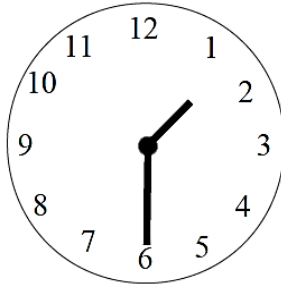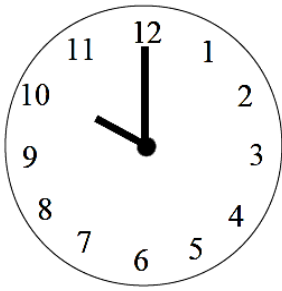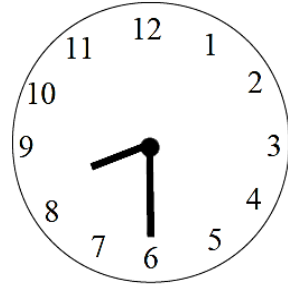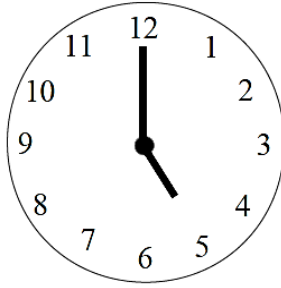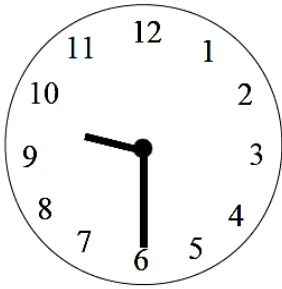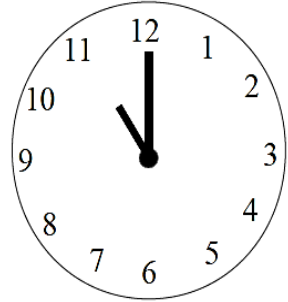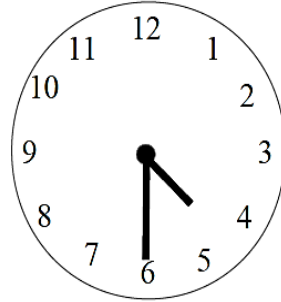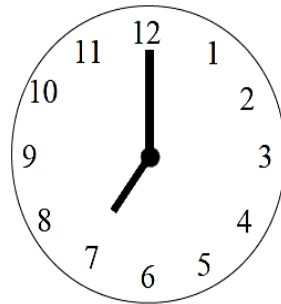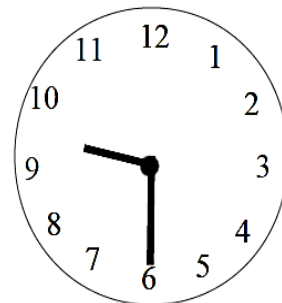
Draw the clock hands for the times written below:
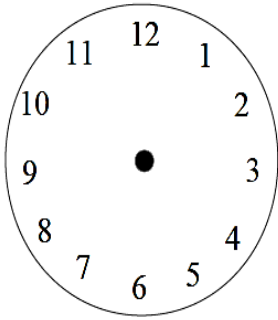
3 o'clock
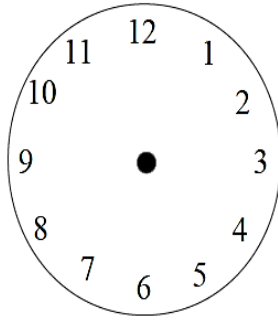
7 o'clock
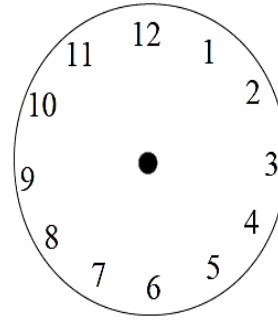
Half past 1
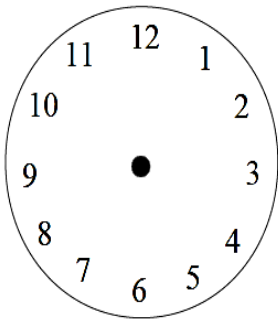
Half past 9
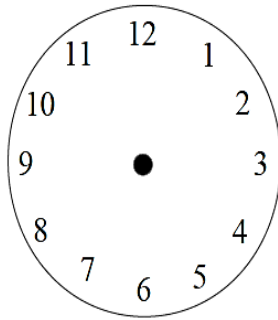
6 o'clock
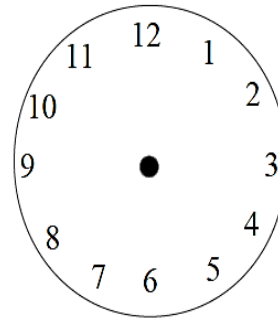
Half past 5
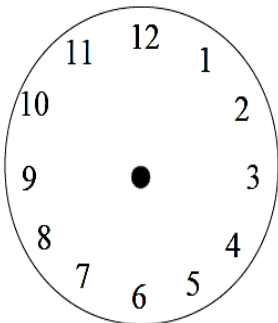
Half past 12
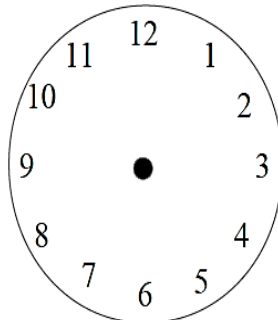
10 o'clock
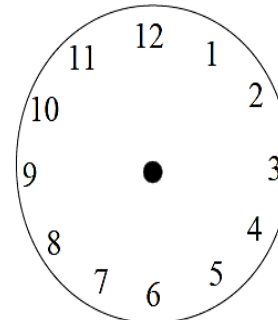
Half past 11

Match the clocks to the correct time.

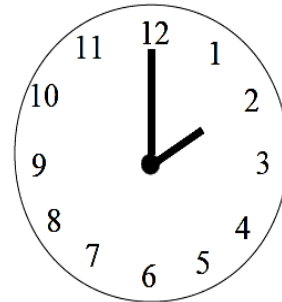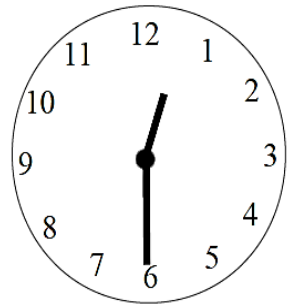|		
	Half past 10	
	Half past 7	
	Half past 2	
	Half past 11	
	Half past 5	
	Half past 12	

What time is shown on each of the clocks?
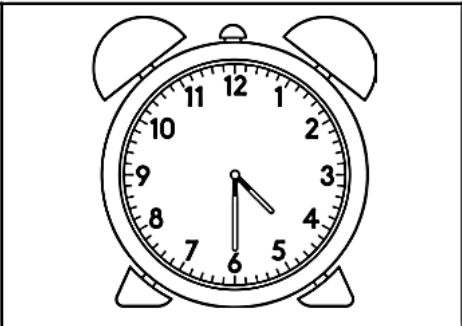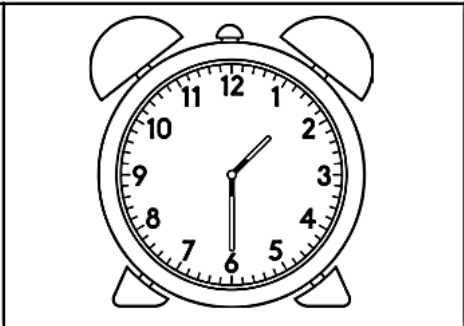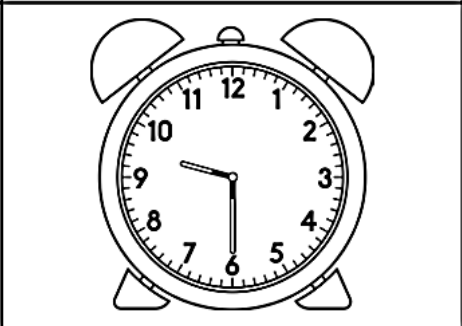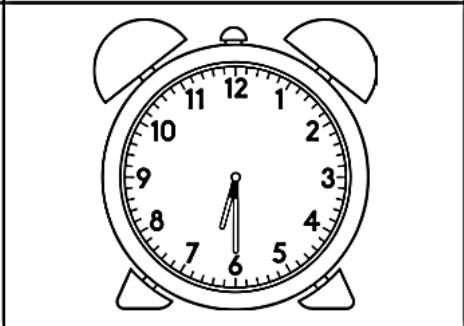
Half past _____	Half past _____	Half past _____
Half past _____	Half past _____	Half past _____

Problem solving and reasoning cards:

Draw the next clock in the sequence.

The next time in the sequence is:

_____

True or false?

a)   Two hour later than half past 3 is half past five. _____

b)   Half an hour later than 1 o'clock is half past 12. _____

c)   For half past times, the hour hand will be on 6. _____

d)   At half past 7 the hour hand will be half way between 6 and 7. _____

Circle the clock that shows an incorrect time.

What mistake has been made?

I went to the shop one and a half hours after 1 o'clock.

What time did Kat go to the shop?

It is likely that Kat did this on a weekend. Can you explain why?

Colour the time that is 5 hours later than the time shown on the clock.

| Half past 2 | Half past 3 | Half past 4 |

Dan is at school eating his lunch. It is half past ___.

Draw and write the most likely time.

The most likely time is:

_____

Target: to identify the days of the week and months of the year

We have been learning the names and ordering the days and months.
Can you colour days green and the months blue?

Sunday	Thursday	Saturday	April	January
October	August	July	June	Tuesday
Friday	December	May	Wednesday	March
September	Monday	February	November	

Now can you write the days of the week in the correct order?

What days make up the weekend? _____

What day is it today? _____

What day is it tomorrow? _____

What day was it yesterday? _____

Can you write the months of the year in the correct order?

What month is this month? _____

What month is next month? _____

What month was last month?_____

What month is your birthday?_____

Days of the Week
Yesterday and tomorrow

yesterday	today	tomorrow
	Wednesday	
	Monday	
	Thursday	
	Tuesday	
	Sunday	
	Saturday	
	Friday	

Monday   Friday

Tuesday   Saturday

Wednesday   Sunday

Thursday

Months of the Year
Which month comes next?
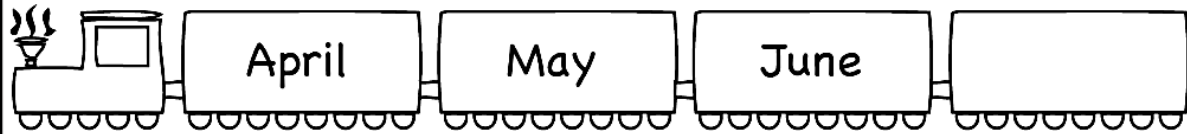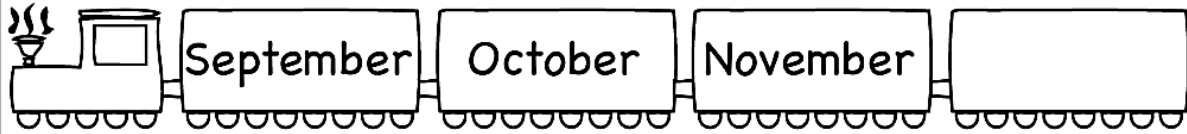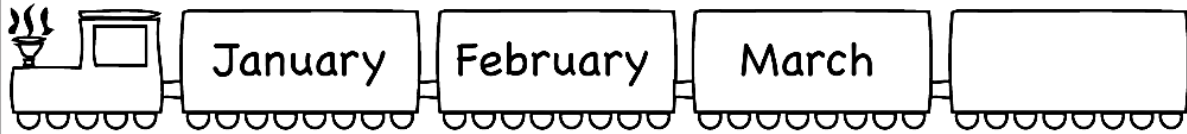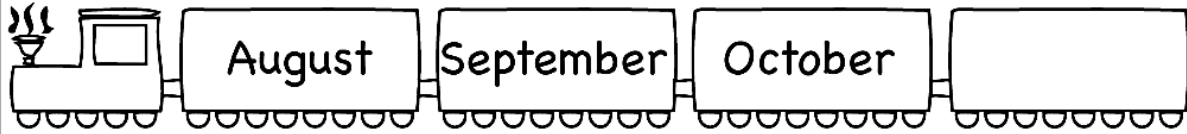
| | March | April | May | |

| | August | September | October | |

| | January | February | March | |

| | September | October | November | |

| | April | May | June | |

| | October | November | December | |

| | July | August | September | |

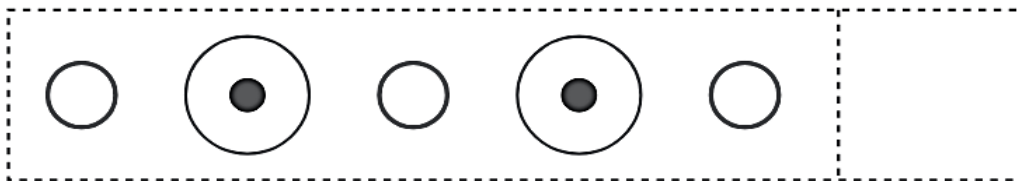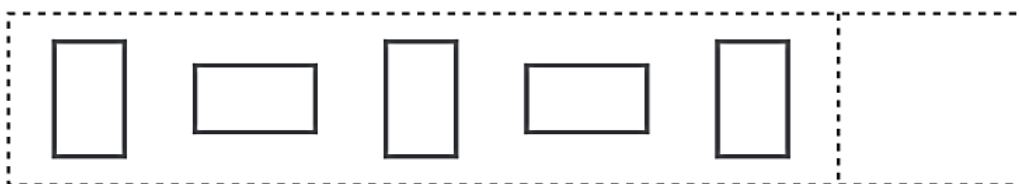|		
January	February	March
April	May	June
July	August	September
October	November	December

26

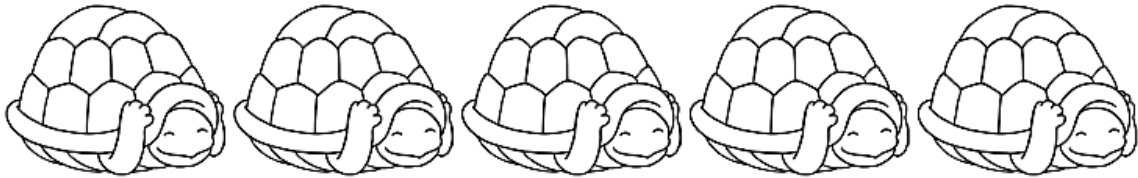# Shape Patterns

Draw the shape that comes next

Ordinal Numbers
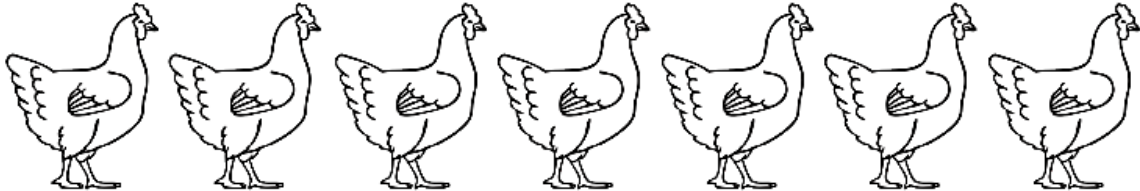
Colour in the **9th** mouse

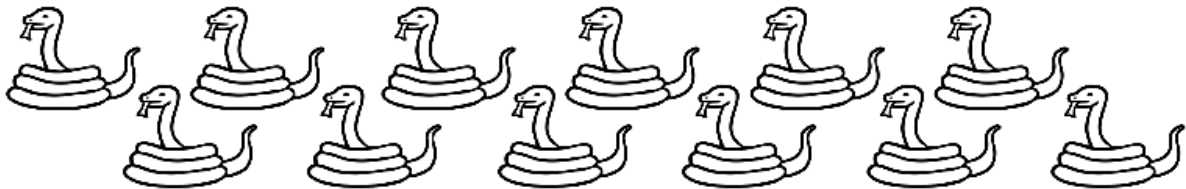Colour in the **4th** tortoise

Colour in the **1st** guinea pig
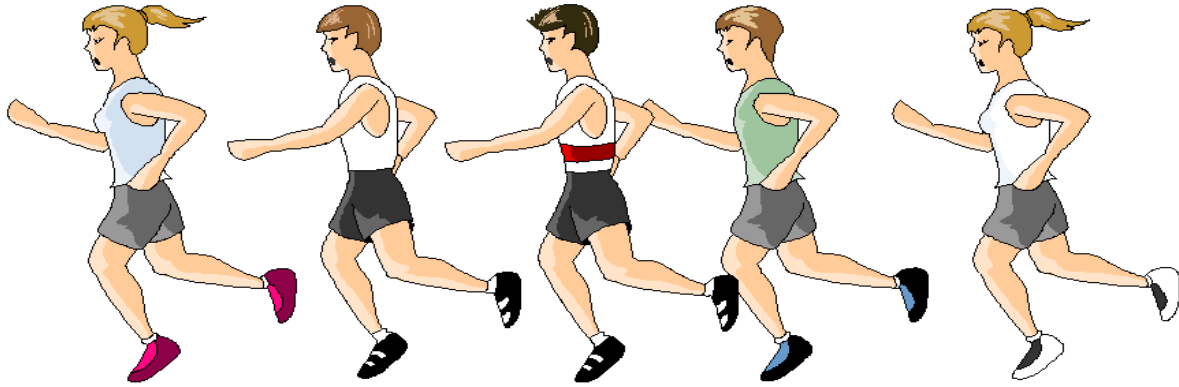
Colour in the **3rd** chicken

Colour in the **7th** dog

Colour in the **10th** snake

Match each rosette to the correct runner.

Colour in the answers.

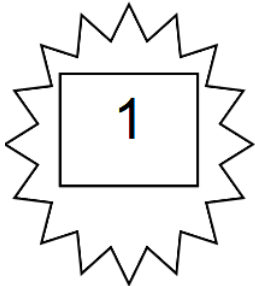Which colour is second?   ◯

Which colour is last?   ◯

Which colour is fifth?   ◯
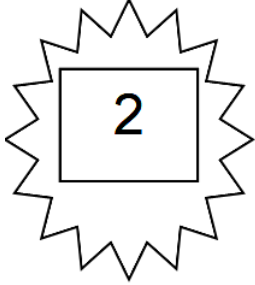
Which colour comes after the third colour?   ◯

Which colour comes before the seventh?   ◯

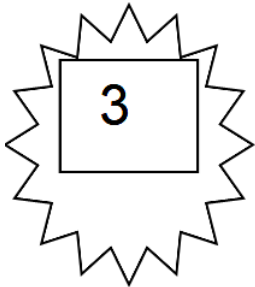Which colour comes before the tenth?   ◯

Match the rosettes.

1

2

3
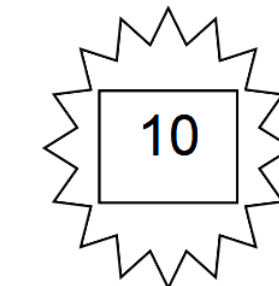
4

5

third

eighth

fifth

tenth

sixth

seventh

second

fourth

first

ninth

6

7

8

9

10

30
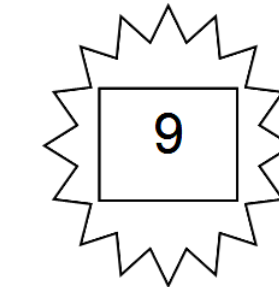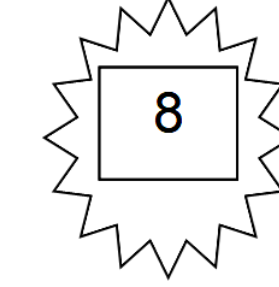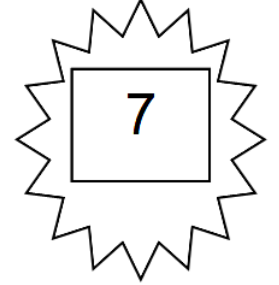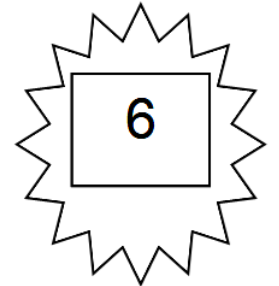
Position Words: Choose the correct word from the box.
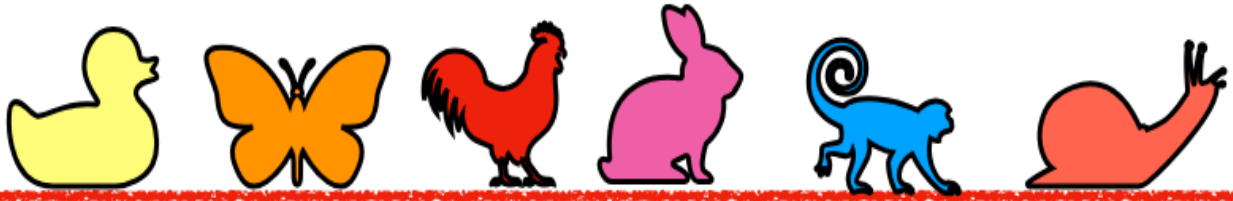
between	before	after	first	fourth

a. The butterfly is _____ the rooster and the duck.

b. The rabbit is _____.

c. The rabbit is _____ the monkey.

d. The snail comes _____ the monkey.

e. The duck is _____.

◎ I can follow instructions to place symbols in the graph.

			❤️	
	🙂			
			🕷️	
		🍎		
⭐				

1. Draw a triangle Δ **above** the apple . 🍎

2. Tick √ the box **below** the heart ❤️

3. Make a cross **X next to** the star ⭐

4. Draw a circle ◯ **to the left** of the face 🙂

5. Draw a sun ☼ **to the right** of the spider 🕷️ .

Answer the following word problems

If you had 10 glass bottles and 3 of them smashed, how many of them would you have left?

If you had 5 ice cubes and 2 of them melted, how many would you have left?

If you had 20 squares of chocolate and you ate 15 of them, how many would you have left?

If you had 5 birds in your garden and 1 of them flew away, how many birds would you have left?

If you had 10 currant buns and 8 of them have been eaten, how many of them would you have left?

If you had 5 books and you have read 3 of them, how many would you have left?

If you had 20 jelly beans and you have eaten 6 of them, how many would you have left?

If you had 10 sausages in a pack and you have cooked 4 of them, how many sausages would you have left in the packet?