


## Make tally charts

1 Draw tally marks to represent each number.

a) 5 

c) 4 

b) 10 

d) 16 



2 There are some socks on a washing line.

The socks are spotty, stripy or plain.



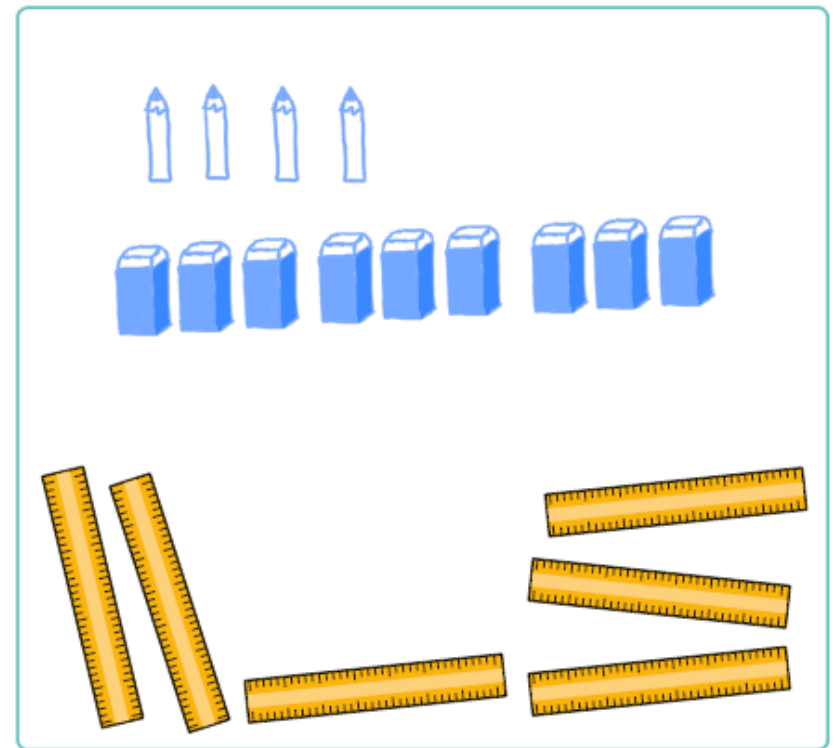
Complete the tally chart.

Sock	Tally
spotty	
stripy	
plain	

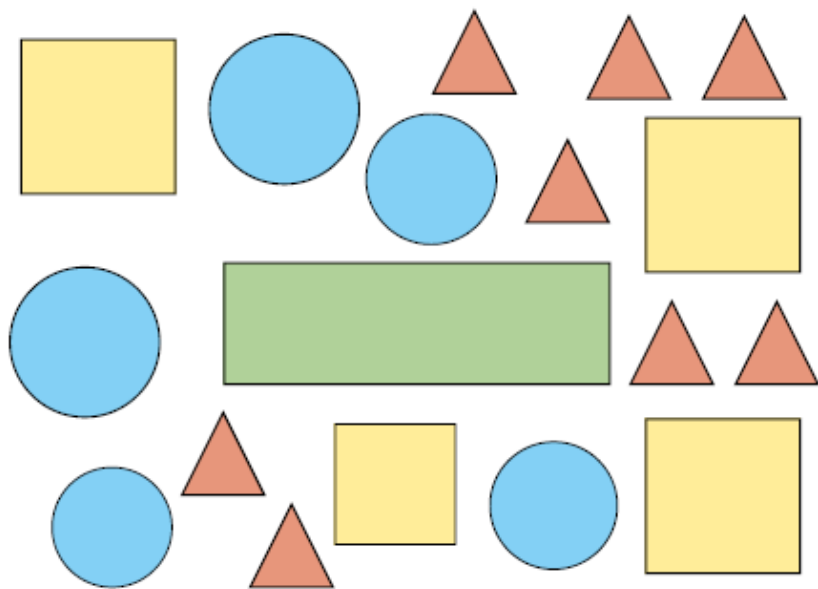
3 Class 2 tally the number of pencils, rubbers and rulers they have.

Item	Tally
pencils	
rubbers	
rulers	

Draw the items. The rulers have been drawn for you.



- 4 Here are some shapes.



- a) Complete the tally chart to show how many of each shape there are.

Shape	Tally	Total
Square	IIII	4
Rectangle	I	1
Circle	IIII	5
Triangle	IIII III	8

- b) How did you do the tallying?  
Compare with a partner.

- 5 Whitney, Teddy and Jack tally how many jumps they can do in a minute.

Jumps	Tally	Total
Whitney	IIII I	
Teddy	IIIIIIII	
Jack	IIII	

- a)



Do you agree with Whitney? No

Explain your reasons.

- b) How could Teddy's tallying be improved?

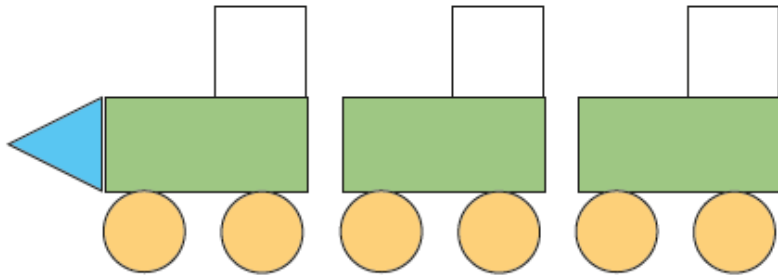
IIII III

- 6 Make a tally chart for a topic of your choice.  
Compare answers with a partner.



## Draw pictograms (1-1)

1 Some children make a picture using shapes.



a) Complete the pictogram to show how many of each shape they have used.

Shape	
Square	X X X
Rectangle	X X X
Circle	X X X X X X
Triangle	X

Key  
X = 1 shape

b) What do you notice about the number of squares and the number of rectangles?



2 There are some animals in a zoo.

a) Complete the pictogram to show how many of each animal there are.



Animal	
Lion	○ ○ ○ ○ ○ ○
Elephant	○ ○ ○ ○
Giraffe	○ ○ ○ ○ ○

Key  
○ = 1 animal

b) How did you complete the pictogram? Compare with a partner.

- 3 Pencils, rubbers and rulers have been mixed up in a tub.

The tally chart shows how many of each item there are.

Item	Tally
pencils	IIII
rubbers	IIII IIII
rulers	IIII I

- a) Use the tally chart to complete the pictogram.



Item	
Pencils	
Rubbers	
Rulers	

**Key**  
 = 1 item

- b) Mo draws a pictogram for the same items. Here is his pictogram.

Item	
Pencils	
Rubbers	
Rulers	

What mistakes has Mo made?

How could his pictogram be improved?



- 4 There are some flowers in a garden.

- There are 4 sunflowers.
- There is 1 less daffodil than there are sunflowers.
- There are twice as many daisies as daffodils.
- There is the same number of tulips as daffodils.

- a) Complete the pictogram.

**Key**

= 1 flower

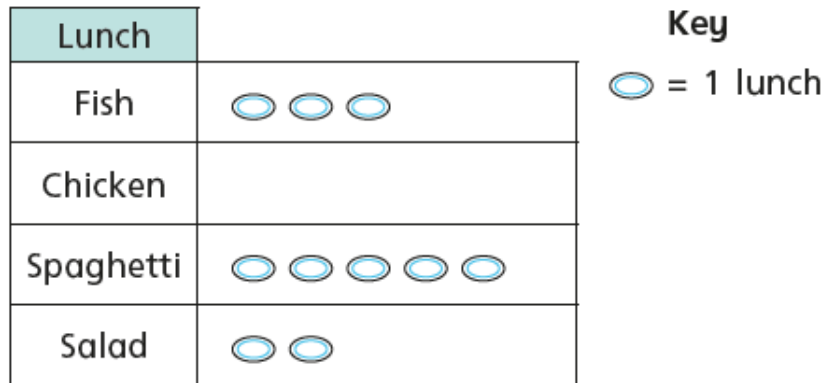
Flower	
Sunflowers	
Daffodils	
Daisies	
Tulips	

- b) How many flowers are in the garden in total?

15

## Interpret pictograms (1-1)

- 1 The pictogram shows what some teachers had for school lunch.



- a) Which lunch did the most teachers have?

Tick your answer.

fish    chicken    spaghetti    salad

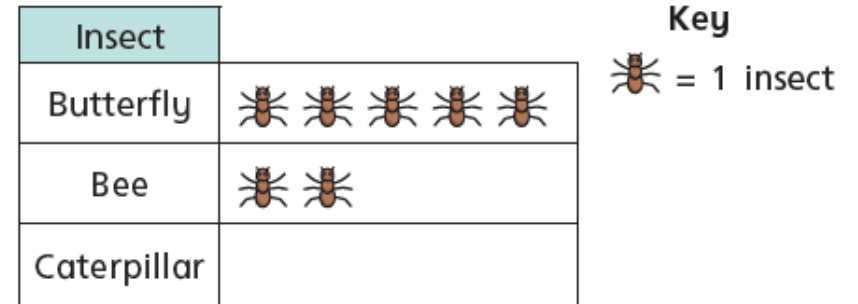
- b) Which lunch did the least teachers have?

Tick your answer.

fish    chicken    spaghetti    salad

- c) How many teachers had chicken?

- 2 The pictogram shows how many insects Class 2 saw on a bug hunt.



- a) Complete the sentences.

Class 2 saw  butterflies.

Class 2 saw  bees.

Class 2 saw  caterpillars.

Altogether Class 2 saw  insects.

- b)



Last summer I saw a bee hive. I do not think I could draw a pictogram to show all the bees.

Do you agree with Tommy?

- 3 Class 1 were asked to choose their favourite colour out of yellow, green, blue and purple.

The pictogram shows the results.



Colour	
Yellow	
Green	
Blue	
Purple	

Key

= 1 child

a) How many children chose yellow?

12

b) How many children chose green?

1

c) How many more children chose purple than blue?

4

How did you work this out?

- 4 Eva's friends vote for their favourite fruit.

She draws a pictogram and says it shows:

- the same votes for apple and pear
- melon got the fewest votes
- plum got the most votes
- grape got only 1 vote
- grape got fewer votes than pear.

a) Draw a possible pictogram so that Eva's statements are true.

E.g

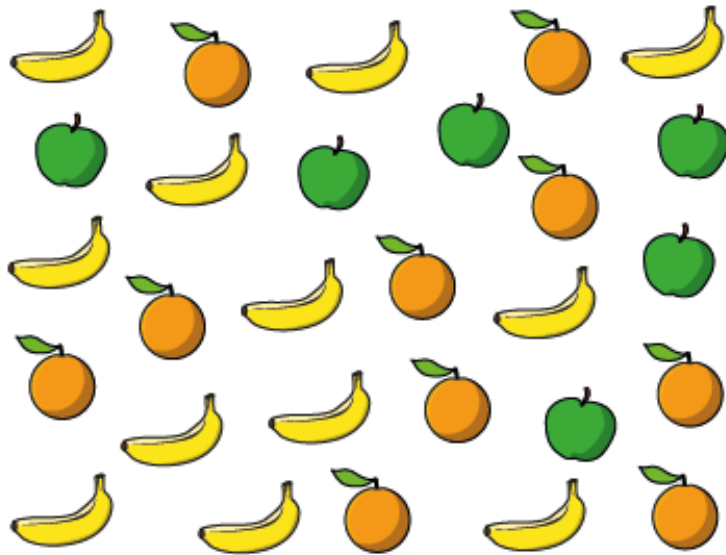
Grape	Melon	Apple	Plum	Pear

b) Draw a key for the pictogram.

= 1 vote

## Draw pictograms (2, 5 and 10)

1 Here is some fruit.



a) Complete the tally chart.

Fruit	Tally	Total
Apples	1	6
Oranges		10
Bananas		12

b)



I will use a circle for each piece of fruit.

Draw Dora's pictogram.

Key

= 1 piece of fruit

Fruit	
Apples	
Oranges	
Bananas	

c)



I will use a circle for every 2 pieces of fruit.

Draw Tommy's pictogram.

Key

= 2 pieces of fruit

Fruit	
Apples	
Oranges	
Bananas	

d) Whose pictogram do you prefer? Why?


- 2 Class 2 vote for whether they would like to play tennis, football or netball.

The tally chart shows the votes.

Sport	Tally	Total
Tennis		5
Football		20
Netball		10

- a) Complete the pictogram.


Sport	
Tennis	
Football	
Netball	

Key  
 = 5 votes



- b) Complete the pictogram.

Sport	
Tennis	
Football	
Netball	

Key  
 = 10 votes





- 3 The tally chart shows the weather for 55 days.


Weather	Tally
Sun	
Cloud	
Rain	

- a) Draw a pictogram to show this information  
 Choose your own key.

E.g.

Weather	
Sun	
Cloud	
Rain	

Key

 = 10 days



- b) Compare pictograms with a partner.  
 What is the same? What is different?





## Block diagrams

- 1 The block diagram shows children's favourite colours.



Use the block diagram to answer the questions.

- a) Which colour is most popular?

Yellow

- b) How many people chose blue as their favourite?

9

- c) Which colour is least popular?

Red

- d) How many people chose orange as their favourite?

9

- e) How many more people like yellow than orange?

2

- f) How many more people like yellow than red?

6

- g) How did you work out your answers to e) and f)?

- 2 The tally chart shows how many of each item there is.

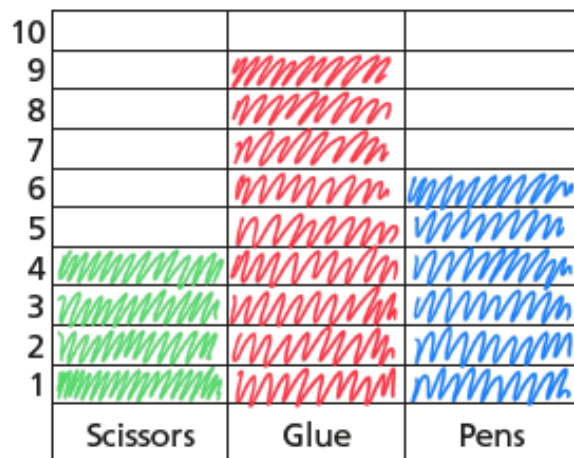
Item	Tally	Total
Scissors	IIII	4
Glue	IIII III	9
Pens	IIII I	6

- a) Do the totals match the tallies?  
Circle your answer.

Yes

No

- b) Use cubes to make towers showing how many scissors, glue and pens there are.
- c) Colour the block diagram using the tally chart and your cubes to help.

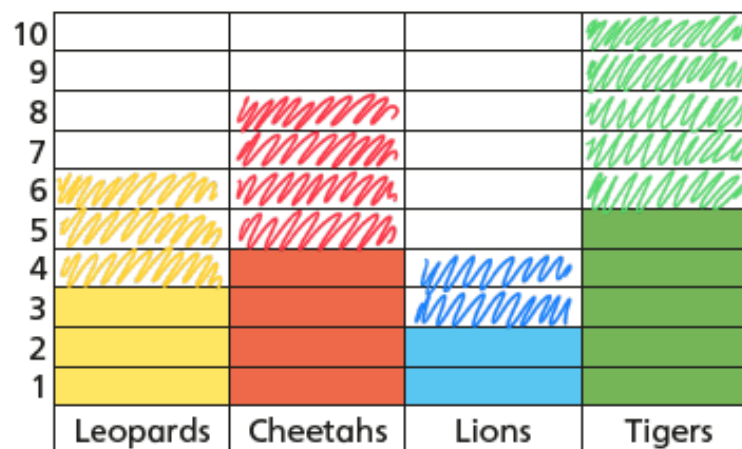


- 3 At the zoo, Mo keeps a record of how many big cats he sees.

Big Cat		Key
Leopard		= 2 big cats
Cheetah		
Lion		
Tiger		

Dora has tried to show the same information on a block diagram but she has made a mistake.

- a) What mistake has Dora made?



- b) Complete the block diagram so that it is correct.

Maths Calculation Answers Week 5 Summer 2

<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>
$26 + 35 = 61$ $48 - 23 = 25$ $2 \times 12 = 24$ $45 \div 5 = 9$ $19 + 18 = 37$	$24 + 24 = 48$ $55 - 31 = 24$ $4 \times 5 = 20$ $32 \div 2 = 16$ $25 = 8 + 17$	$39 + 32 = 71$ $56 - 38 = 18$ $3 \times 8 = 24$ $80 \div 10 = 8$ $42 - 14 = 28$
<b>Thursday</b>	<b>Friday</b>	
$32 + 31 = 63$ $49 - 19 = 30$ $5 \times 3 = 15$ $\frac{1}{2}$ of 22 = 11 $40 - 16 = 24$	$23 + 31 = 54$ $51 - 36 = 15$ $5 \times 4 = 20$ $\frac{1}{4}$ of 60 = 15 $\frac{1}{2}$ of 14 = 7	

$$38 - ? = 16$$

$$38 - 16 = 22$$

22 mini-beasts were not worms.

One possible approach...

Harry saw, slugs, snails, ladybirds and beetles.

Draw a pictogram showing how many of each mini-beast he saw.

Tell someone what the pictogram is showing.

Bees	Worms	Butterflies
9	5	1
9	4	2
9	3	3
9	2	4
9	1	5

6 worms.

$$6 + 20 = 26$$

26 worms altogether.

$$6 + 20 = 26$$

26 worms altogether.

Yes because  $4 + 5 = 9$ .

Double 9 = 18.