



Canonbury Home Learning

Year 2/3 Maths

Steppingstone activity

Lesson 4 – 25.06.2020

LO: To interpret and construct simple tally charts

Success Criteria:

1. Watch the video about collecting and recording data into a tally chart <https://www.bbc.co.uk/bitesize/topics/zg6tyrd/articles/zgg9pbk>
2. Make your own tally chart, you can use the idea modelled or find your own items to fill the tally chart.
3. Complete the tally chart. **Challenge:** Answer the questions about the tally chart

1.



<https://www.bbc.co.uk/bitesize/topics/zg6tyrd/articles/zgg9pbk>

2. Create a tally chart that you can fill using things that you can find around the house. I have chosen **Kitchen Items** as there are quite a few of each thing so it makes the tally a bit more fun to complete. You may choose whatever subject you like!

Examples:

Toys (dolls/Lego/building blocks)

Food (apples/slices of bread/carrots)

Kitchen Items	Tally	Total
Spoons	### ## 1	11
Cups	### III	8
Plates	### II	7

3. Complete the **Total** column of the tally chart:

Favourite Colour	Tally	Total
Blue		
Red		
Yellow		
Green		

- What information is the tally chart telling you?
- How many children liked yellow and green **altogether**?
- Which colour did the children like the **most**?
- The **least** popular colour is _____.

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LO: To interpret and construct simple tally charts

Task:

You are going to be **making tally charts**

Success Criteria:



1. Watch the video about collecting and recording data into a tally chart <https://www.bbc.co.uk/bitesize/topics/zg6tyrd/articles/zgg9pbk>
2. Make your own tally chart, you can use the idea modelled or find your own items to fill the tally chart.
3. **Task 1:** Complete the tally to match the total – remember **each tally is equal to 5**
4. **Task 2:** Read the tally charts and answer the questions – you may use your preferred calculation strategy but please show your working!

Model:

2. Create a tally chart that you can fill using things that you can find around the house. I have chosen **Kitchen Items** as there are quite a few of each thing so it makes the tally a bit more fun to complete. You may choose whatever subject you like!

Examples:

Toys (dolls/Lego/building blocks)

Food (apples/slices of bread/carrots)

Kitchen Items	Tally	Total
Spoons	### ### 1	11
Cups	### III	8
Plates	### II	7

3. Complete the tally to match the totals.

Drinks	Tally	Total
Milk		29
Water		10
Juice		22
Tea		13

Drinks	Tally	Total
Milk	### ## ### ### ###	29
Water	### ##	10
Juice	### ### ### ### II	22
Tea	### ### III	13

4. Lin did a flower survey on the school field.
How many more tulips than daffodils were seen?

Flowers	Tally	Total
Tulip	### ### ### ### ### I	26
Daisy	### ### III	14
Rose	### III	9
Daffodil	### ### ### III	19

Tulip = 26
Daffodil = 19
 $26 - 19 = 7$

Task 1

Practice

Complete the tally to match the total

1.

Animals	Tally	Total
Cow		11
Hen		6
Pig		14

2.

Colours	Tally	Total
Pink		7
Red		2
Green		15

3.

Meals	Tally	Total
Pie		24
Pizza		12
Curry		15
Wraps		6

4.

Toys	Tally	Total
Doll		4
Car		23
Robot		11
Train		17

Complete the tallies and totals – 70 children voted altogether.

5.

Ice-cream	Tally	Total
Vanilla		
Mint		18
Chocolate		22
Caramel		21

Task 2

Practice

Read the tally charts and answer the questions

1. Raj counted animals at the zoo. How many lions and tigers did he count altogether?

Zoo Animals	Tally
Monkey	
Lion	
Tiger	

2. Sam did a bug hunt on the school field. How many more ladybirds than worms were seen?

Bugs	Tally	Total
Worm		9
Spider		17
Beetle		5
Ladybird		23

3. Malukah did a survey of favourite cakes. How many more people liked chocolate cake than coffee?

Cakes	Tally	Total
Chocolate		24
Lemon		13
Coffee		6
Cherry		21

4. Tom did a survey of trees on the school field. How many more Birch trees than Beech trees were seen?

Trees	Tally	Total
Beech		
Oak		
Ash		
Birch		

Task 3

Reasoning

Explain your answers.

3a. Jen carried out a survey of bed times. She says,



Fourteen children go to bed at 8pm.

True or false? Explain how you know.

Time	Tally	Total
7pm	III	8
8pm		15
9pm		2

6a. Zaynab carried out a traffic survey. She says,



There were more bikes than buses and lorries together.

True or false? Explain how you know.

Vehicles	Tally	Total
bus		4
bike		19
lorry	III	13
car		27

9a. Iram carried out a pet survey. She says,



The difference between the number of children who have dogs and cats is 8.

True or false? Explain how you know.

Pets	Tally	Total
Hamster		
Dog		
Rabbit		
Cat		

Task 4

Problem solving

2b. Read the clues. Add the sports to the correct tally.

*Least children like tennis.
Most children like golf.
More than 10 children like hockey.*

Sports	Tally	Total
		12
		2
		14

5b. Read the clues. Add the animals names to the correct tally.

*I saw most penguins and least elephants.
There were 20 bears and elephants in total.
There were 25 elephants and meerkats.*

Animals	Tally	Total
		12
		26
Elephants		8
		17

8b. Read the clues. Add the film names to the correct tally.

*5 times more children liked Cars than Coco.
7 more children liked Moana than Cars.
10 more children liked Frozen than Moana.*

Films	Tally	Total
Coco		

Challenge

2. Lee, Gemma and Natasha have been to the farm. They are discussing the animals they saw.

Lee: We saw 5 more cows than pigs. We saw fewer horses than pigs.

Gemma: We saw an odd number of sheep. We didn't count more than 30 of any animal.

Natasha: We saw between 20 and 25 pigs. We saw more sheep than any other animal.

Draw a tally chart to show how many of each animal they might have seen.

Animals	Tally	Total
Cows		
Pigs		
Horses		
Sheep		