



HOME LEARNING

Subject: Mathematics Week 11 Lesson 1 Time: 40 mins

Learning Objective: Interpret and construct simple pictograms, tally charts, block diagrams and simple tables

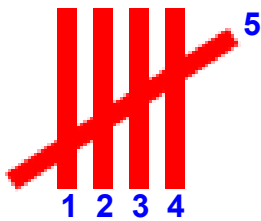
Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity

Ask and answer questions about totalling and comparing categorical data

Hello Year 11s!

2 weeks left! I really do miss you all and hope that there will be time (hopefully soon) that we will meet again. I thought statistics will be a good topic to send you off to the next step in your education:) We will start with tally charts.

I hope you remember that, when you record data with tallies you group them in fives. Like this:



so for example number 12 will look like this



Remember - that line across does count !

Now it's your turn.

Match the tallies to their totals.

| | | |
|---|--|----|
| A | | 21 |
| B | | 16 |
| C | | 8 |
| D | | 29 |

Complete the tallies to match the totals.

| Drinks | Tally | Total |
|--------|-------|-------|
| Milk | | 28 |
| Water | | 10 |
| Juice | | 22 |
| Tea | | 13 |

5a. Match the tallies to their totals.

- | | | |
|----|--|----|
| A. | | 21 |
| B. | | 13 |
| C. | | 7 |
| D. | | 19 |



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5b. Match the tallies to their totals.

- | | | |
|----|--|----|
| A. | | 5 |
| B. | | 26 |
| C. | | 14 |
| D. | | 9 |



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6a. Complete the tally to match the totals.

| Meals | Tally | Total |
|-------|-------|-------|
| Pie | | 24 |
| Pizza | | 12 |
| Curry | | 15 |
| Wraps | | 6 |



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6b. Complete the tally to match the totals.

| Toys | Tally | Total |
|-------|-------|-------|
| Doll | | 4 |
| Car | | 23 |
| Robot | | 11 |
| Train | | 17 |



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7a. Complete the totals to match the tallies and order the fruits from most to least popular.

| Fruit | Tally | Total |
|--------|-------|-------|
| Apple | | |
| Pear | | |
| Plum | | |
| Banana | | |



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7b. Complete the totals to match the tallies and order the sports from least to most popular.

| Sports | Tally | Total |
|----------|-------|-------|
| Football | | |
| Tennis | | |
| Rugby | | |
| Hockey | | |



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8a. Sam did a bug hunt in his garden. He saw 9 worms, 5 beetles, 23 ladybirds and 17 spiders.

| Bugs | Tally | Total |
|----------|-------|-------|
| Worm | | |
| Spider | | |
| Beetle | | |
| Ladybird | | |

Complete the tally chart.



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8b. Malikah did a survey of favourite cakes. 24 liked chocolate, 13 liked lemon, 6 liked coffee and 21 liked cherry.

| Cakes | Tally | Total |
|-----------|-------|-------|
| Chocolate | | |
| Lemon | | |
| Coffee | | |
| Cherry | | |

Complete the tally chart.






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Now some problem solving using tally charts.

1a. Class 1 counted the traffic passing school. They started their tally chart then...

three more cars passed by,
two more bikes went by,
four more lorries passed by.

| Traffic | Tally | Total |
|---|-------|-------|
|  | I | |
|  | I | |
|  | | |

Complete the tally chart.



PS

2a. Class 3 surveyed the wildlife in the school grounds.

Frogs were the most common.
Squirrels were the least common.
They saw an odd number of mice.

| Wildlife | Tally | Total |
|----------|-------|-------|
| | | 4 |
| | | 10 |
| | | 7 |

Add the correct names to the tally chart.



PS

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 | | |
| 8pm | | |
| 9pm | | |



PS

Ed carried out a pond survey. He says,



I found 34 newts and shrimps altogether.

True or false? Explain how you know.

| Creatures | Tally | Total |
|-----------|-------|-------|
| Frog | | 15 |
| Newt | | 14 |
| Shrimp | | 23 |
| Snail | | 25 |

Complete the totals to match the tallies.

| Coins | Tally | Total |
|-------|-------|-------|
| 1p | | |
| 2p | | |
| 5p | | |
| 10p | | |

Order the totals from most common to least common.

WELL DONE! YOU DID IT!



Now save your work if you are using a computer or ask your parents to take a photo of your work and ask them to email it to me please.

dnowacka@glebe.bromley.sch.uk
Thank you 😊

