

Monday

13.07.2020

Good morning Longboats,

Welcome to our last week of home learning before the Summer holidays! I know you will all have lots of questions about next year and what will happen when we come back. However, I hope you are also all very excited for the Summer holidays!

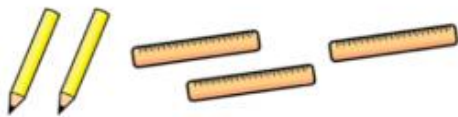
It's been such a strange year and you have worked so incredibly hard from home, not only with this work but with Mathletics and Spellodrome too. Well done!!

I'm not going to set you any new Mathletics in this final week so if you've finished it all, well done! If you haven't finished, you can still get Dojo points by trying to get it done this week.

Starter

Challenge 4

Sonny buys 2 pencils and 3 rulers.



Each pencil costs 69p.

Sonny pays with a £5 note and receives £1.07 change.

How much does a ruler cost?



Main Activity

We are going to keep thinking about statistics this week but move on to looking at a new way to show data.



This is a pie chart.

It shows the pets that 160 children have at home.

Key

-  rabbit
-  cat
-  dog
-  fish

As always, choose the questions that you think are right for you to start and then choose another box if you want a challenge.



1. Which pet was the most popular?
2. Which two pets were equally popular?
3. How many children were asked about their pet to create this pie chart?
4. Can you match each pet to the correct fraction?

$\frac{1}{2}$

$\frac{1}{8}$

$\frac{1}{4}$

$\frac{1}{4}$

cat

dog

rabbit

fish



1. How many people had a pet dog?
2. How many people had a pet fish?
3. How many people had a pet cat?
4. Zoe asked another 40 children about their pets but all the fractions stayed the same so she didn't have to change the pie chart. How many of the new children had a pet cat?



1. Taylor asked another 40 children about their pets, 20 of the new children had dogs, 12 had cats and 8 had rabbits. She redraws the pie chart to include this new information. Which slice of the pie will still be the same fraction of the whole?
2. When Taylor drew the pie chart, she used a protractor to help her. Can you spot which slice of the pie has a right angle? Can you explain why this slice is a right angle by using the word "fraction" and 90° ?
3. Frankie asks another 20 children about their pets. 10 of these children have a cat, 5 have a rabbit, 2 have a fish and 2 have no pets. How will this change how Frankie's pie chart looks? Give three ways.
4. Zach has lost part of the information for the pie chart and he can't remember how many people were asked. "I think it's probably 100" he said. This can't be correct. Can you explain why not?