Canonbury Home Learning

Year 6 Maths

Developing activity

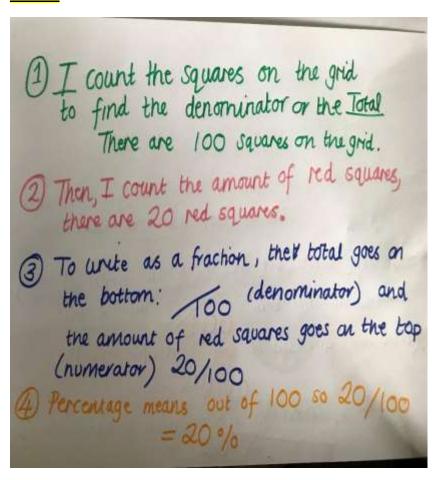
Lesson 2

LO: TBAT find equivalent decimals and fractions.

Success Criteria:

- 1. Recap your knowledge of fractions.
- 2. Compare the fractions to the percentage.
- 3. Work out the percentages for the questions.

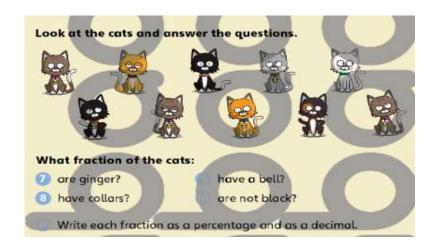
Model



Now you try...

Look at the coloured grid.

- What fraction of the grid is red?
- What percentage of the grid is yellow?
- Is the purple area of the grid greater or less than 40%?
- Which colour is 20% of the grid?
- What colour is exactly \(\frac{1}{4} \) of the grid?
- Write the non-coloured part of the grid as a decimal.





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Expected/ Greater depth activity

Lesson 2

LO: TBAT solve problems including percentages.

Task:

You are going apply your knowledge to solve several problems including percentages.

Success Criteria:

- 1. Convert the fractions to percentages.
- 2. To find fractions of amounts start by finding 10% to help you.
- 3. For some questions you may need to use one of the 4 operations.

Recap:

Finding percentages and fractions of amounts.

$$50 \% = \frac{1}{2}$$
 because $\frac{1}{2}$ $\frac{50}{100}$

To find 50% of an amount we divide by 2 or find $\frac{1}{2}$. 50% of $10 = 5$

To find 55% , first find 50% .

Then find 5% and add together.

 55% of $140 = 77$
 50% of $140 = 140\%2 = 70$
 5% of $140 = 140\%10 = 14$

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Main activity

Complete at least 2 columns, more if you can!



<u>Task 1</u>	Task 2	Task 3	<u>Task 4</u>
<u>Practice</u>	<u>Arithmetic</u>	Problem Solving	<u>Reasoning</u>
Write the following			<u>Task 1</u>
fractions as	15% of 250 =	<u>Task 1</u>	In a Maths test, Tommy answered 62%
percentages.		Calculate 55% of 640	of the questions correctly.
014		_ Task 2	Rosie answered $\frac{3}{5}$ of the questions
10	16 $\frac{1}{6}$ of 720 =	Amina asked 60 children to choose their fa	avourite flavour of jelly.
<u>→ 7</u>	6 01 720 =	These were her results.	Who answered more questions correctly?
10		Flavour Number of children	Explain your answer.
35	$\frac{2}{3} = \frac{12}{?}$	Raspberry 12	State of Associated State Continues (1997 St.)
100	3 - 7	Lemon 8	Task 2
G 1/4		Orange 15	IUSK Z
4		Blackcurrant 25	
The second second	18 125.9 × 4	Total 60	
2		What percentage of the 60 children chose	e orange?
7		Task 3	
<u> 7</u>	$\frac{1}{5} \times 70 =$	Jack has £400	Amir thinks that 18% of the grid has been
-6	5 ^ 7 0 -	He spends 35% of his money on a new bike.	shaded.
W 4			Dora thinks that 36% of the grid has been
		-	shaded.
1	20 5.09 + 27.4 =		Who do you agree with?
			Explain your reasoning.
	21 34.8 × 1000	How much does Jack spend on his new bike?	

Canonbury Home Learr	nina		CANONBUR PRIMARY SCHOOL
Cariotizery Herrie Zean	9	Task 4	Task 3
		200 children went on holiday.	Amir says 0.3 is less than 12% because 3 is less than 12
		10% of the children went to Wales.	
		25% of the children went to Scotland.	Explain why Amir is wrong.
		How many more children went to Scotland than went to Wales?	