

A Musical Table

At Muso Junior School they conducted a survey to see what KS2's favourite music genre was. Every KS2 child could choose either pop, electronic, hip-hop or classical.



The results are presented in the table below, but some results are missing.

	Pop	Electronic	Hip-Hop	Classical	Total
Year 3	21		3	1	
Year 4	15	8		0	30
Year 5		7	9	4	
Year 6	9	7	12		
Total	56	26		7	



First, complete the table. Then use the table to answer the following questions:



1. How many Year 5 children chose Pop?

.....

2. Which genre was chosen by four Year 3 children?

.....

3. How many more Year 6 children chose Hip-Hop than Year 4 children?

.....

4. How many more Year 5 children chose Pop than Classical?

.....

5. How many children are there in Years 5 & 6?

.....



A Musical Table

6. What fraction of Year 4 children chose Pop?

.....

7. How many more children in Year 5 & 6 chose Pop than Electronic?

.....



Extension: Write a couple of your own questions based on the information in the table.



8. How many children would need to change their vote for the most popular genre to change? Explain your answer.

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Answers

At Muso Junior School they conducted a survey to see what KS2's favourite music genre was. Every KS2 child could choose either pop, electronic, hip-hop or classical.



The results are presented in the table below, but some results are missing.

	Pop	Electronic	Hip-Hop	Classical	Total
Year 3	21	4	3	1	29
Year 4	15	8	7	0	30
Year 5	11	7	9	4	31
Year 6	9	7	12	2	30
Total	56	26	31	7	



First, complete the table. Then use the table to answer the following questions:



1. How many Year 5 children chose Pop?

.....11.....

2. Which genre was chosen by four Year 3 children?

.....Electronic.....

3. How many more Year 6 children chose Hip-Hop than Year 4 children?

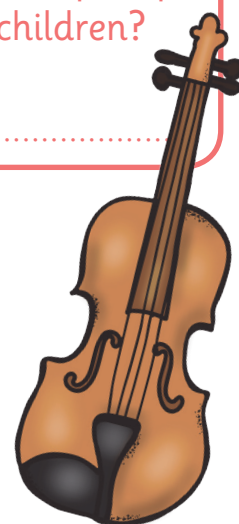
.....5.....

4. How many more Year 5 children chose Pop than Classical?

.....7.....

5. How many children are there in Years 5 & 6?

.....61.....



A Musical Table

Answers

6. What fraction of Year 4 children chose Pop?

$\frac{1}{2}$

7. How many more children in Year 5 & 6 chose Pop than Electronic?

6



Extension: Write a couple of your own questions based on the information in the table.



8. How many children would need to change their vote for the most popular genre to change? Explain your answer.

13 - if 13 children changed their vote from pop to hip-hop then pop would have $56 - 13 = 43$ votes and hip-hop would have $31 + 13 = 44$ votes.