Mastering maths

Answer questions using data in a pictogram

In this activity, we will learn to answer questions by reading the information in pictogram tables.

Here is a pictogram.

It shows the results of a survey in which children of different ages are asked about their favourite types of books.

The key shows us that **one stack of books** represents **three children.**

Age	Adventure	Comedy	Action
7			
8			
9			
10			

Key: = 3 children

The pictogram shows that six of the ten year-olds chose adventure books, while twelve ten year-olds chose action books.

Let's try an example question together.

Example

Which is the most popular type of book for ten year-olds?

Answer

Looking carefully at the pictogram, we can see the following information:

6 ten year-olds prefer **adventure** books. (2 x 3 = 6)

21 ten year-olds prefer **comedy** books. (7 x 3 = 21)

12 ten year-olds prefer **action** books. (4 x 3 = 12)

So, the most popular type of book for ten year-olds is **comedy.**

Now you are ready to try some questions for yourself.

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Read the information in the table to answer the question.

How many ten year-olds chose action books?

Age	Adventure	Comedy	Action
7			
8			
9			
10			

Key: = 3 children

Answer: _____

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Read the information in the table to answer the question.

How many seven year-olds chose adventure books?

Age	Adventure	Comedy	Action
7			
8			
9			
10			

Key: = 3 children

Answer: _____

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Read the information in the table to answer the question.

How many nine year-olds chose comedy books?

Age	Adventure	Comedy	Action
7			
8			
9			
10			

Key: = 3 children

Answer: _____

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Read the information in the table to answer the question.

Which book type is the favourite amongst the eight year-olds?

Age	Adventure	Comedy	Action
7			
8			
9			
10			

Key: = 3 children

Answer: _____

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Read the information in the table to answer the question.

How many ten year-olds preferred comedy books?

Age	Adventure	Comedy	Action
7	1	4	5
8	3	2	2
9		3	6
10	2	7	4

Key: = 3 children

Answer: _____

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Read the information in the table to answer the question.

How many eight year-olds preferred adventure or action books?

Age	Adventure	Comedy	Action
7			
8			
9			
10			

Key: = 3 children

Answer: _____

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Read the information in the table to answer the question.

Which book type is the favourite amongst the nine year-olds?

Age	Adventure	Comedy	Action
7			
8			
9			
10			

Key: = 3 children

Answer: _____

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Read the information in the table to answer the question.

Which book type is the least popular amongst the nine year-olds?

Age	Adventure	Comedy	Action
7			
8			
9			
10			

Key: = 3 children

Answer: _____

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Read the information in the table to answer the question.

Which age group liked adventure books more than the other types?

Age	Adventure	Comedy	Action
7			
8			
9			
10			

Key: = 3 children

Answer: _____

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Read the information in the table to answer the question.

In which age groups did children prefer action books to any other types?

Age	Adventure	Comedy	Action
7			
8			
9			
10			

Key: = 3 children

Answer: _____

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