

KS1 Science Quiz - Investigating - Drawing Conclusions from Data (Questions)

This quiz addresses the requirements of the National Curriculum KS1 Science for children aged 5 and 6 in years 1 and 2. Specifically this quiz is aimed at the section dealing with investigating and drawing simple conclusions from data.

In science you ask lots of questions. Then you plan how to answer them, or draw conclusions. You might investigate by observing or looking closely at things. Or you might investigate by doing a test or an experiment. You collect results or data. But what does the data mean? In this quiz, there are some results. What do the results tell you? Can you answer the questions and draw your own conclusions?

1. Harry asked, 'Which has more legs, a spider or a fly?' He looked it up. He found out that spiders have 8 legs, and flies have 6 legs. What is the answer to Harry's question?



- ☐ Spiders have 8 legs
- ☐ A spider has more legs than a fly
- ☐ Flies have 6 legs
- ☐ A fly has more legs than a spider

2. Anna and Freddy wanted to know which material was stretchiest? Which one of these do you think was stretchiest?



- ☐ Paper
- ☐ Aluminium foil
- ☐ Wood
- ☐ Rubber

3. Ella asked, 'What shape is the Moon?' Ella knows that the Moon changes shape. The Moon looks different on different days. But what shape is the Moon?



- ☐ Crescent
- ☐ Square
- ☐ Star-shaped
- ☐ Round

4. Jamie asked, 'Which oranges are juiciest?' He got three different oranges. He squeezed them and measured how much juice there was. To make it a fair test, Jamie made sure that the oranges were:



- ☐ Different sizes
- ☐ The same size
- ☐ Cheap
- ☐ Expensive

5. Jacob looked at a tree and a wooden post. The tree grew in the spring and made new leaves. The wooden post did not grow. What has Jacob found out?



- ☐ Trees have leaves
- ☐ Wood can be used to make posts
- ☐ The tree is alive, but the wooden post is not
- ☐ Wooden posts are good for making fences

7. Isaac looked at different trees. He wrote down when the buds started to grow into leaves. Here are his results:

Ash - 4th May
Beech - 17th April
Oak - 8th May
Sycamore - 28th March

What has Isaac found out about when trees make leaves?



- ☐ Beech is the earliest of the four trees
- ☐ Sycamore is the last of the four trees
- ☐ Sycamore is the earliest of the four trees
- ☐ Ash is the last of the four trees

6. Emily's teacher asked, 'What makes play-dough so good for making models?' Emily said:



- ☐ Because it is fun to play with
- ☐ Because you can change its shape
- ☐ Because it is hard
- ☐ Because it is rough

8. Ben asked, 'Do taller flowers have more petals?' Ben decided to measure two things about each flower. What were the two things?



- ☐ The height of the flower and the number of petals
- ☐ The height of the flower and the colour of the petals
- ☐ The height of the flower and the name of the flower
- ☐ The height of the flower and the number of flowers

9. Marco asked, 'What lives in rock pools?' How could he find out?



- ☐ Look it up in a book
- ☐ Look it up on the internet
- ☐ Go to the seaside and look in a rock pool
- ☐ Marco could do all three of these things

10. Sally wants to find a good material for a pillow. She tests three materials. She asks 12 people in her class to say which one is the softest. Here are her results:

Feathers - 7

Foam - 3

Wool - 2

What has Sally found out?



- ☐ Everyone likes feather pillows
- ☐ Most people think wool is the softest
- ☐ No one likes foam pillows
- ☐ Most people think feathers are the softest

KS1 Science Quiz - Investigating - Drawing Conclusions from Data (Answers)

1. Harry asked, 'Which has more legs, a spider or a fly?' He looked it up. He found out that spiders have 8 legs, and flies have 6 legs. What is the answer to Harry's question?



- ☐ Spiders have 8 legs
- ☒ A spider has more legs than a fly
- ☐ Flies have 6 legs
- ☐ A fly has more legs than a spider

Where could Harry look this up?

2. Anna and Freddy wanted to know which material was stretchiest? Which one of these do you think was stretchiest?



- ☐ Paper
- ☐ Aluminium foil
- ☐ Wood
- ☒ Rubber

What happens if you try to stretch paper?

3. Ella asked, 'What shape is the Moon?' Ella knows that the Moon changes shape. The Moon looks different on different days. But what shape is the Moon?



- ☐ Crescent
- ☐ Square
- ☐ Star-shaped
- ☒ Round

Have you ever seen the Man in the Moon?

4. Jamie asked, 'Which oranges are juiciest?' He got three different oranges. He squeezed them and measured how much juice there was. To make it a fair test, Jamie made sure that the oranges were:



- ☐ Different sizes
- ☒ The same size
- ☐ Cheap
- ☐ Expensive

How did Jamie measure how much juice there was?

5. Jacob looked at a tree and a wooden post. The tree grew in the spring and made new leaves. The wooden post did not grow. What has Jacob found out?



- ☐ Trees have leaves
- ☐ Wood can be used to make posts
- ☒ The tree is alive, but the wooden post is not
- ☐ Wooden posts are good for making fences

When do trees grow quickest, do you think?

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Beech - 17th April
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What has Isaac found out about when trees make leaves?



- ☐ Beech is the earliest of the four trees
- ☐ Sycamore is the last of the four trees
- ☒ Sycamore is the earliest of the four trees
- ☐ Ash is the last of the four trees

Oak and ash come into leaf later than most other trees

6. Emily’s teacher asked, ‘What makes play-dough so good for making models?’ Emily said:



- ☐ Because it is fun to play with
- ☒ Because you can change its shape
- ☐ Because it is hard
- ☐ Because it is rough

What would you like to make with modelling clay?

8. Ben asked, ‘Do taller flowers have more petals?’ Ben decided to measure two things about each flower. What were the two things?



- ☒ The height of the flower and the number of petals
- ☐ The height of the flower and the colour of the petals
- ☐ The height of the flower and the name of the flower
- ☐ The height of the flower and the number of flowers

How did Ben measure the height of the flower?

9. Marco asked, 'What lives in rock pools?' How could he find out?



- ☐ Look it up in a book
- ☐ Look it up on the internet
- ☐ Go to the seaside and look in a rock pool
- ☒ Marco could do all three of these things

Have you ever looked in a rock pool? What did you find?

10. Sally wants to find a good material for a pillow. She tests three materials. She asks 12 people in her class to say which one is the softest. Here are her results:

Feathers - 7

Foam - 3

Wool - 2

What has Sally found out?



- ☐ Everyone likes feather pillows
- ☐ Most people think wool is the softest
- ☐ No one likes foam pillows
- ☒ Most people think feathers are the softest

Why do pillows need to be soft?