

KS1 Science Quiz - Investigating - Using Measuring Instruments (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 using simple measuring instruments.

In science you have to look very carefully when investigating. You also have to count things and write down your results. Also, you have to take measurements with instruments. You might measure the temperature using a thermometer, or weigh something using scales. All these measurements you get from the instruments have to be written down and recorded. This quiz is all about counting and measuring when you are investigating.

1. Adil is using a sand timer. It measures an hour. How does Adil know when the hour is up?



- ☐ Half the sand has run into the bottom
- ☐ All the sand is still in the top
- ☐ All the sand has run into the bottom
- ☐ A third of the sand has run into the bottom

2. This is used to measure time in seconds. You press it once to start it. You press it again to stop it. What is it?



- ☐ A clock
- ☐ A stop-watch
- ☐ A compass
- ☐ A thermostat

3. This is also a timer. What time does it show?



- ☐ 20 minutes and 30 seconds
- ☐ 2 minutes and 30 seconds
- ☐ 30 minutes and 2 seconds
- ☐ 2 minutes and 3 seconds

4. Zara and Tom are doing science at school. They are finding out how much things weigh. They are using a _____.



- ☐ Timer
- ☐ Ruler
- ☐ Balance
- ☐ Calculator

5. This is a digital balance in a science laboratory. It is used to measure weights. Sunil is weighing a liquid in a beaker. What happens if Sunil pours half the liquid away?



- ☐ The reading goes up
- ☐ The reading goes down
- ☐ The reading stays the same
- ☐ The balance stops working

6. These are bathroom scales. What do they measure?



- ☐ Your temperature
- ☐ Your height
- ☐ Your speed
- ☐ Your weight

7. Sunil is doing an experiment. He wants to know which material is best for keeping warm.

He is testing feathers, wool and fur.

He is measuring the temperature. What is he using?



- ☐ Rulers
- ☐ Counters
- ☐ Thermometers
- ☐ Computers

8. Anna is growing bean seeds at school. She counts how many have sprouted.

This is how she writes it down. How many have sprouted?



- ☐ 1
- ☐ 4
- ☐ 5
- ☐ 8

9. Anna's friend, Bella has also planted bean seeds. More of Bella's seeds have grown. How many of Bella's seeds have grown?



- ☐ 6
- ☐ 18
- ☐ 23
- ☐ 28

10. Adam's Mum is measuring his height. What is she using?



- ☐ Ruler
- ☐ Balance
- ☐ Scales
- ☐ Tape measure

KS1 Science Quiz - Investigating - Using Measuring Instruments (Answers)

1. Adil is using a sand timer. It measures an hour. How does Adil know when the hour is up?



- ☐ Half the sand has run into the bottom
- ☐ All the sand is still in the top
- ☒ All the sand has run into the bottom
- ☐ A third of the sand has run into the bottom

How does Adil start the timer again?

2. This is used to measure time in seconds. You press it once to start it. You press it again to stop it. What is it?



- ☐ A clock
- ☒ A stop-watch
- ☐ A compass
- ☐ A thermostat

A stop-watch is a timer

3. This is also a timer. What time does it show?



- ☐ 20 minutes and 30 seconds
- ☐ 2 minutes and 30 seconds
- ☐ 30 minutes and 2 seconds
- ☒ 2 minutes and 3 seconds

Do you use timers at school?

4. Zara and Tom are doing science at school. They are finding out how much things weigh. They are using a _____.



- ☐ Timer
- ☐ Ruler
- ☒ Balance
- ☐ Calculator

When does it balance? - When both sides are the same

5. This is a digital balance in a science laboratory. It is used to measure weights. Sunil is weighing a liquid in a beaker. What happens if Sunil pours half the liquid away?



- ☐ The reading goes up
- ☒ The reading goes down
- ☐ The reading stays the same
- ☐ The balance stops working

Would you like to work in a science laboratory?

7. Sunil is doing an experiment. He wants to know which material is best for keeping warm.

He is testing feathers, wool and fur.

He is measuring the temperature. What is he using?



- ☐ Rulers
- ☐ Counters
- ☒ Thermometers
- ☐ Computers

Which do you think will keep you warmest - feathers, wool or fur?

6. These are bathroom scales. What do they measure?



- ☐ Your temperature
- ☐ Your height
- ☐ Your speed
- ☒ Your weight

Do you have bathroom scales at home?

8. Anna is growing bean seeds at school. She counts how many have sprouted.

This is how she writes it down. How many have sprouted?



- ☐ 1
- ☐ 4
- ☒ 5
- ☐ 8

Do you sometimes count like this?

9. Anna's friend, Bella has also planted bean seeds. More of Bella's seeds have grown. How many of Bella's seeds have grown?



- ☐ 6
☐ 18
☐ 23
☒ 28

Why might Bella's bean seeds have grown better than Anna's?

10. Adam's Mum is measuring his height. What is she using?



- ☒ Ruler
☐ Balance
☐ Scales
☐ Tape measure

A tape measure is bendy, a ruler is not