

## KS1 D and T Quiz - Design and Technology - Ideas (Questions)

*This quiz addresses part of the requirements of the National Curriculum KS1 Design and Technology for children aged 5 and 6 in years 1 and 2. Specifically it looks at creating and developing ideas. It is one of 10 quizzes to help you with designing and making useful things, and finding out about how things are made.*

What is Design and Technology? It is all about having ideas and developing them - designing useful things, creating them and then trying them out. There are lots of different ways of making things, from cooking to woodwork, building to sewing. In this quiz you can find out a little bit more about the steps needed to make something really useful.

**1. Harry is going to make a bridge for his toy cars. His teacher says; 'First you need an idea, then you need to do a design. After that you need to build the bridge. Then you need to test it. All the steps have to be .....**

- In any order
- In the wrong order
- In the right order
- All mixed up

**2. What is Harry's idea?**

- It would be fun to have a bridge for my toy cars
- Bridges are big things
- I have a lot of toy cars
- My toy cars can go very fast

**3. Which of these will Harry need to think about?**

- How long will the bridge be?
- What will the bridge be made from?
- What colour will the bridge be?
- All three of these things

**4. Harry draws a plan of his bridge on a piece of paper. Harry is \_\_\_\_\_ his bridge.**

- Making
- Colouring
- Testing
- Designing

**5. Harry decides to \_\_\_\_\_ his bridge from three pieces of wood.**

- Sew
- Cook
- Heat
- Build

**6. Harry has to cut the pieces of wood. What does he use to cut the pieces of wood?**

- A trowel
- A needle
- A saw
- A glue-stick

**7. Harry tests his bridge. Unfortunately, the bridge falls down. What should Harry do?**

- Give up
- Go outside and play
- Improve his design
- Throw a tantrum

**8. What do we call someone who comes up with lots of practical ideas?**

- A lawyer
- An inventor
- A singer
- A presenter

**9. Sunil has had an idea for a really tasty sandwich. What should he do first?**

- Eat the sandwich
- Decide what to put in it
- Make the sandwich
- Wash the plate after he has eaten the sandwich

**10. Mark is going to make a bag for his Mum. Mark has had an idea. He has drawn a design for the bag. What should Mark do next?**

- Give the bag to his Mum
- Finish sewing the bag
- Choose a material to make the bag
- Take the bag home

## KS1 D and T Quiz - Design and Technology - Ideas (Answers)

**1. Harry is going to make a bridge for his toy cars. His teacher says; 'First you need an idea, then you need to do a design. After that you need to build the bridge. Then you need to test it. All the steps have to be .....**

- In any order
- In the wrong order
- In the right order
- All mixed up

So, what is the first thing Harry needs to do?

**3. Which of these will Harry need to think about?**

- How long will the bridge be?
- What will the bridge be made from?
- What colour will the bridge be?
- All three of these things

There are lots of things Harry will need to think about - can you think of any more?

**5. Harry decides to \_\_\_\_\_ his bridge from three pieces of wood.**

- Sew
- Cook
- Heat
- Build

What would you use to build Harry's bridge?

**7. Harry tests his bridge. Unfortunately, the bridge falls down. What should Harry do?**

- Give up
- Go outside and play
- Improve his design
- Throw a tantrum

Not everything works first time!

**9. Sunil has had an idea for a really tasty sandwich. What should he do first?**

- Eat the sandwich
- Decide what to put in it
- Make the sandwich
- Wash the plate after he has eaten the sandwich

Sunil needs to get everything in the right order

**2. What is Harry's idea?**

- It would be fun to have a bridge for my toy cars
- Bridges are big things
- I have a lot of toy cars
- My toy cars can go very fast

Harry starts with the idea of a bridge, so he can have more fun playing with his toy cars

**4. Harry draws a plan of his bridge on a piece of paper. Harry is \_\_\_\_\_ his bridge.**

- Making
- Colouring
- Testing
- Designing

Can you draw a design for Harry's bridge?

**6. Harry has to cut the pieces of wood. What does he use to cut the pieces of wood?**

- A trowel
- A needle
- A saw
- A glue-stick

Harry has to cut the pieces of wood to just the right length. How can he measure their length?

**8. What do we call someone who comes up with lots of practical ideas?**

- A lawyer
- An inventor
- A singer
- A presenter

Do you know the names of any inventors? What did they invent?

**10. Mark is going to make a bag for his Mum. Mark has had an idea. He has drawn a design for the bag. What should Mark do next?**

- Give the bag to his Mum
- Finish sewing the bag
- Choose a material to make the bag
- Take the bag home

What material would you use to make a bag?