

Max's Mighty Structures Quiz

Learning objective: To identify and describe materials and shapes that make structures strong and stable.

Max the monkey is building a tall tower! Read the questions carefully. Use the word bank at the bottom to help you fill in the gaps or choose the right answer. You can do it!

Answer Key: 1. A, 2. True, 3. Triangle, 4. B, 5. False, 6. Foundation, 7. A, 8. True, 9. Wood, 10. True.

Word bank: Stable · Triangle · Strong · Foundation · Bridge · Materials

1. 1. Max wants his tower to be steady and not fall over. What word describes this? A) Stable* B) Wobbly C) Soft D) Heavy (1 mark)

2. 2. True or False: A structure needs to be strong enough to hold its own weight. (1 mark)

3. 3. Which shape is best for making a frame strong? (Circle one: Square / Triangle) (1 mark)

4. 4. What do we call the base of a building that keeps it from sinking? A) Roof B) Foundation* C) Window D) Door (1 mark)

5. 5. True or False: Paper is always the best material for building a bridge. (1 mark)

6. 6. Fill in the blank: A building needs a strong _____ at the bottom to be safe. (1 mark)

7. 7. Which material is usually stronger for a bridge? A) Steel* B) Cardboard C) Marshmallows D) Dry pasta (1 mark)

8. 8. True or False: Architects use shapes to make structures safer. (1 mark)

9. 9. Name one material you could use to build a model house: _____ (1 mark)

10. 10. True or False: A tall tower needs a wide base to stay upright. (1 mark)

Draw: Draw a picture of a bridge. Use triangles in your design to make it look extra strong!



Extension challenge: Max has £5 to buy building supplies. If a pack of wooden sticks costs £2, how many packs can he buy, and how much money will he have left?