

**Year 5: Practice Worksheets – Term 2: 2025/2026**

**LO: I can answer correctly**

Subject: ICT

Practice worksheet

1. **3D modeling is a technique in computer graphics for producing a 3D digital representation of any object or surface:**

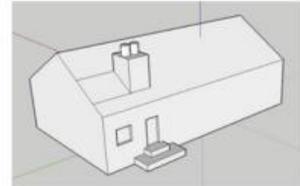
- a. True
- b. False

2. **What is the difference between 3D and 2D?**

- a. 2D (two-dimensional) shapes are flat, while 3D (three-dimensional) shapes are solid objects with length, breadth, and depth
- b. 2D shapes are in different colour compared to 3D ones
- c. No difference

3. **The image shows:**

- a. A house 2D model
- b. A house 3D model
- c. A sketch



4. \_\_\_\_\_ is a modelling software. It allows users to draw 3D models and view them from all angles.

- a. Microsoft Word
- b. Microsoft Teams
- c. TinkerCAD
- d. Scratch

5. **The icon represents which software?**

- a. SketchUp
- b. TinkerCAD
- c. Paint 3D



6. **TinkerCAD is:**

- a. a web-based software used to create and share 3D model files
- b. a drawing software
- c. a spreadsheet software

7. **To raise (elevate) a shape in TinkerCAD, we use which option?**

- a. Lift
- b. Rotate
- c. Delete

8. **The picture shows:**

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- a. a 3D model of a car
- b. a 2D model of a car
- c. a sketch of a car



**9. In TinkerCAD, how do you rotate the view?**

- a. Hold left mouse button
- b. Hold shift key
- c. Hold right mouse button
- d. Scroll wheel

**10. How do you zoom in/out in TinkerCAD?**

- a. Scroll wheel up/down
- b. Hold right mouse button
- c. Hold left mouse button
- d. Up/down arrow keys

**11. What is the name of the floor in TinkerCAD?**

- a. The ground
- b. The floor
- c. The workplane

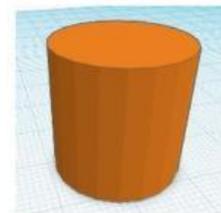
**12. How do you make a hole in a shape?**

- a. Group two solid shapes
- b. Group a solid shape with a hole shape
- c. Group two-hole shapes
- d. Delete key



**13. What is the correct name for the tube shape?**

- a. Circle
- b. Cylinder
- c. Cube
- d. Box



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14. Which one of the following would you use to rotate an object in TinkerCAD?

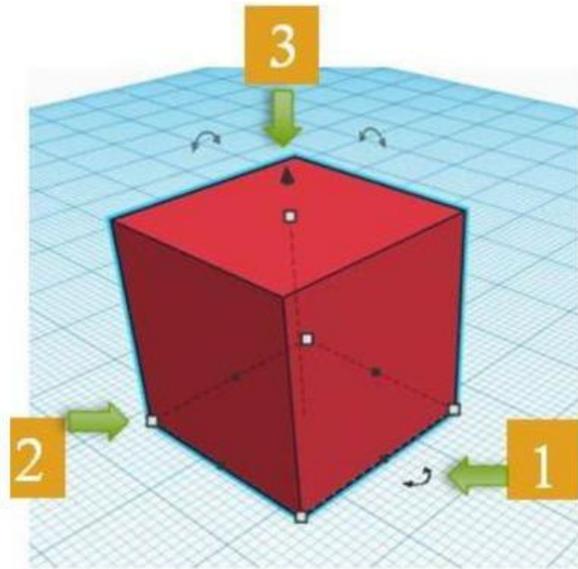
- a. 1
- b. 2
- c. 3

15. Which one of the following would you use to move an object vertically (up/down) in TinkerCAD?

- a. 1
- b. 2
- c. 3

16. Which one of the following would you use to resize a shape in TinkerCAD?

- a. 1
- b. 2
- c. 3



17. TinkerCAD displays measurements using:

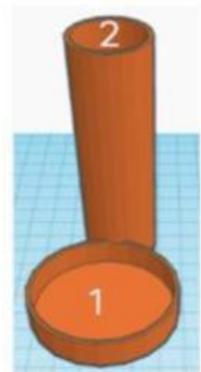
- a. Kilometers (Km)
- b. Millimeters (mm)
- c. Meters (m)

18. The object in the picture is an example of:

- a. 3D shapes and holes, grouped
- b. 2D shapes and holes, grouped
- c. 3D shapes, no holes

19. The object in the picture is an example of a 2D shape and a hole, grouped.

- a. True
- b. False



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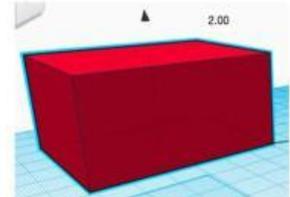
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20. The object in the picture is an example of a 3D shape and a hole, grouped:

- a. True
- b. False



21. The work plane's thin blue lines, the minor grid lines, represent:

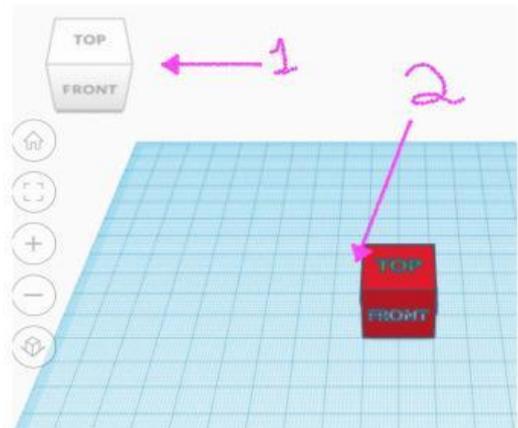
- a. 1 centimeter (10 millimeters)
- b. 100 centimeters
- c. 10 centimeters
- d. 1 millimeter

22. We use the corner handles of a shape to:

- a. to start a design.
- b. to create object lines.
- c. to change the size of an object.
- d. to create a centerline.

23. Number 1 is the Viewcube. What does it do?

- a. It zooms the object on the workplane in and out.
- b. It moves the object on the workplane right and left.
- c. It shifts the perspective of the object so users can see all sides of the object.
- d. It adds a cube to the workplane.



24. Match the TinkerCAD tool to its function. Draw a line.

Tool
Group
Ungroup
Workplane

Function
The floor where objects are placed
Combines shapes into one object
Separates shapes

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25. Look at the TinkerCAD icons below. Write the correct name under each icon. Use the word bank to help you.

**Duplicate BundleGroups ViewCube Ungroup Delete UnionGroups IntersectGroups**



26. Name ONE industry where 3D modelling is used.

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27. Explain the difference between a 2D shape and a 3D shape.

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28. A student designs a phone stand in TinkerCAD, but the phone does not fit. What should the student do NEXT?

- a. Change the colour of the model
- b. Resize the object using the corner handles
- c. Rotate the view

29. What does LLM stand for?

- a. Line Language Model
- b. Large Line Model
- c. Large Language Model
- d. List Language Model

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**30. What is Generative AI?**

- a. AI that only follows fixed rules
- b. AI that can create new content such as text, images, or music
- c. AI that stores information without using it

**31. When did Generative AI become widely popular?**

- a. 2010
- b. 2015
- c. 2026
- d. 2022

**32. What does a LLM do?**

- a. Translates text into different languages only
- b. Predicts what word or idea should come next based on patterns
- c. Copies text from books

**33. How does Generative AI learn?**

- a. By memorising answers
- b. By reading large amounts of data and finding patterns
- c. By asking humans questions

**34. Which prompt is an example of a creative prompt?**

- a. "Explain how shadows are formed."
- b. "How do shadows change during the day?"
- c. "Write a short story about a shadow that can change colours."

**Think out of the box:**

**35. Imagine TinkerCAD had an AI helper that could suggest design changes. A student builds a chair, but the legs are uneven and the chair would fall over. What should the AI do to help most?**

- a. Change the colour of the chair
- b. Compare the leg heights and suggest making them the same
- c. Add more shapes randomly
- d. Delete the chair