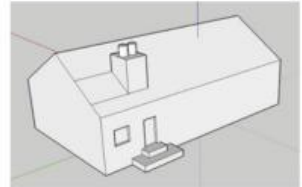


Year 5: Practice Worksheets – Term 2: 2025/2026

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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Practice worksheet

- 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

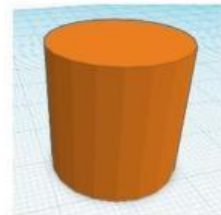
12. How do you make a hole in a shape?

- 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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Practice worksheet

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

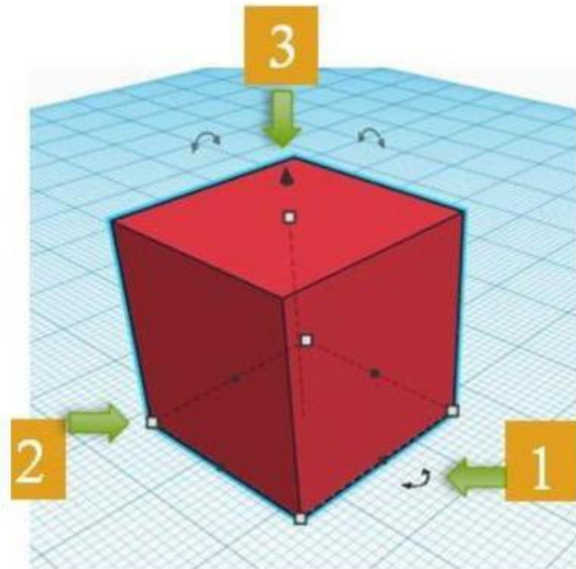
- a. 1
- b. 2
- c. 3

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:

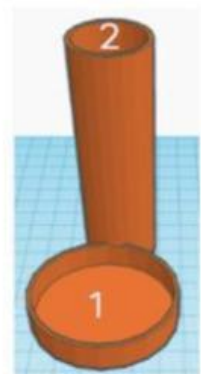
- a. Kilometers (Km)
- b. Millimeters (mm)
- c. Meters (m)

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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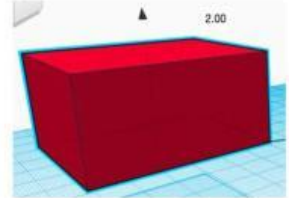
LO: I can answer correctly

Subject: ICT

Practice worksheet

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:

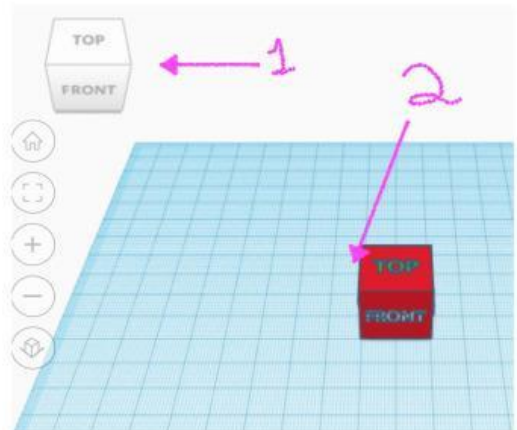
- a. 1 centimeter (10 millimeters)
- b. 100 centimeters
- c. 10 centimeters
- d. 1 millimeter

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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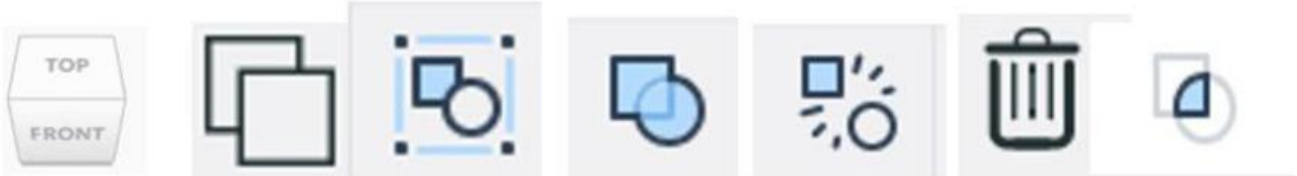
LO: I can answer correctly

Subject: ICT

Practice worksheet

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.

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

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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LO: I can answer correctly

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Practice worksheet

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