

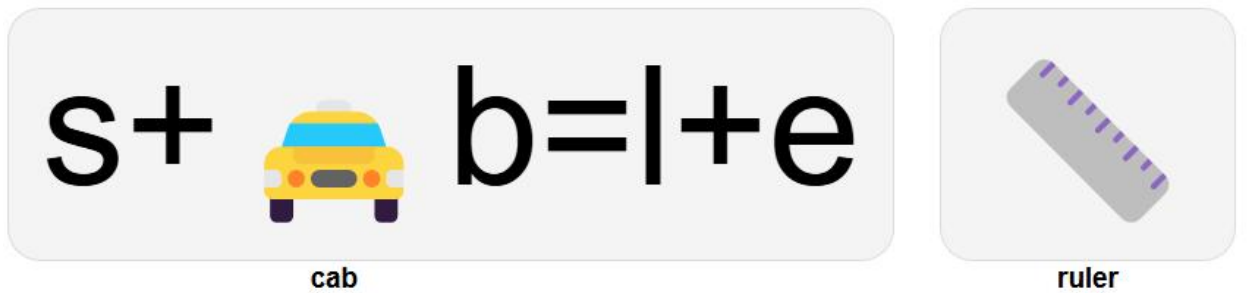
BLUEPRINTS: DRAFTING

Ex. 1. Solve the rebus puzzle.

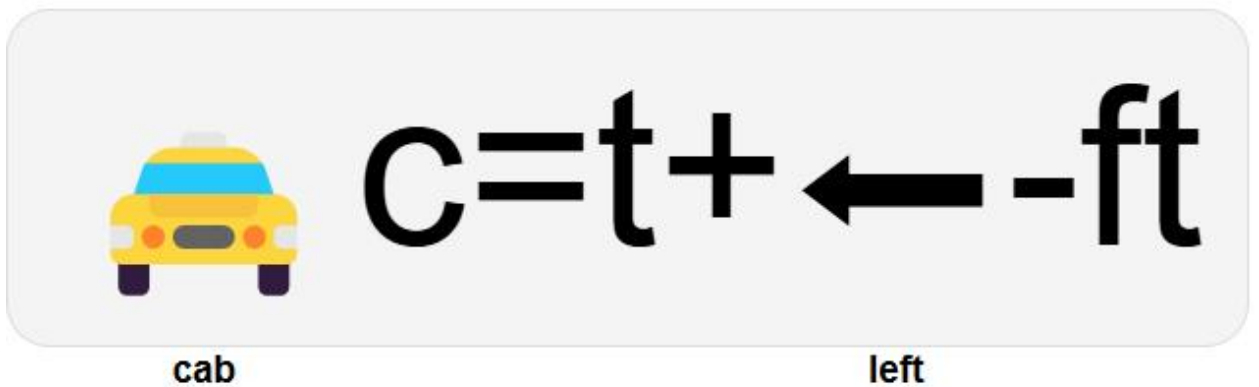
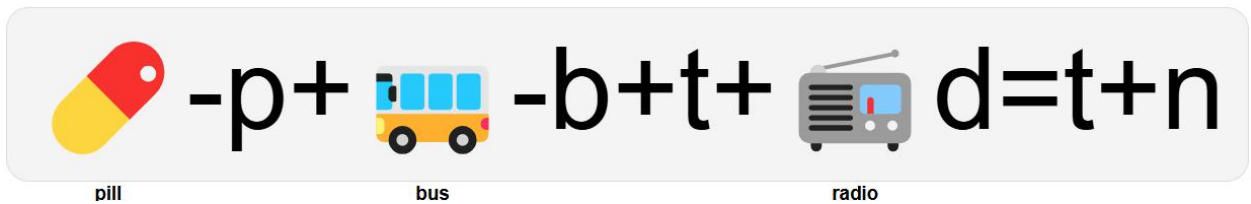
1.



2.



3.



4.



ski

i=e+



watch

-wa

5.

d+



rat

t=f



ring

r=t

Ex. 2. Complete the sentences with the given words.

drafting, drafting paper, drafting table, drafting tape, drafting triangle, illustration, isometric drafting, scale ruler, sketch

1. _____ is used to measure distances accurately on a blueprint.
2. _____ is an essential skill for creating accurate blueprints.
3. _____ allows for a three-dimensional view of the project.
4. _____ provides a stable surface for architects to work on their designs.
5. _____ helps ensure correct angles in blueprint drawings.
6. _____ is used to draw precise plans for construction projects.
7. _____ is key for visually explaining complex design elements.
8. _____ helps in visualizing the concept before detailed drafting begins.
9. _____ is useful for holding the paper in place without leaving residue.

27.2. Reading

Ex. 1. Read the text.

Drafting blueprints is a meticulous process that requires precision and attention to detail. It begins with a **sketch**, which serves as the foundation for the entire design. This initial drawing captures the basic idea and layout of the project.

Once the sketch is complete, the design is transferred onto **drafting paper**, which is specially made to handle detailed work. A **drafting table** provides a stable and spacious surface, allowing drafters to work comfortably and efficiently.

To ensure accuracy, tools like a **drafting triangle** and a **scale ruler** are essential. The drafting triangle helps maintain correct angles, while the scale ruler ensures that all measurements are precise. **Drafting tape** is used to secure the paper in place, preventing any movement that could lead to errors.

Illustration is crucial in the drafting process, as it helps communicate complex design elements clearly. This visual clarity is vital for stakeholders to understand the blueprint fully.

Isometric drafting is often employed to provide a three-dimensional perspective of the project, offering a comprehensive view that enhances comprehension and planning.

Mastering these tools and techniques is essential for anyone involved in blueprint drafting, ensuring that the final design is both accurate and easily understood.

Ex. 2. Answer the questions.

1. What is the first step in the drafting process?
2. Why is drafting paper used?
3. What is the purpose of a drafting table?
4. How does a drafting triangle assist in drafting?
5. Why is drafting tape important?
6. What role does illustration play in drafting?
7. How does isometric drafting benefit the design process?

27.3. Communication

Ex. 1. Make sentences using the following words.

1. drafting/blueprints/measurements
2. architect/drew/up
3. interpret/blueprints/construction

4. accurate/blueprints/successful
5. engineer/reviewed/beginning
6. contractor/followed/specified
7. challenging/rewarding/profession
8. worked/digital/blueprints
9. layout/design/entire
10. changes/client/feedback