Draw a Snare Drum: Shell, Lugs, and Stand Construction

Original tasks 1, 2, 3 / complete keys

Task 1

Draw a snare drum with a shell 8 units wide and 5 units high. Use six lugs and a centered stand with three equal tripod legs. Label shell, lugs, post, and legs.

Answer: A drawing with elliptical rims, six evenly spaced lugs, a centered post, and three equal legs. Labels are present.

Reason: The width-to-height ratio is 8 to 5, or 1.6 to 1. Six lugs are even and can be spaced around the ellipse. The stand is centered for stability.

Check: Measure shell width and height and confirm the ratio is about 1.6 to 1. Count six lugs and check spacing. Confirm the post is centered and the three legs are equal.

Task 2

Draw a snare drum with a shell 12 units wide and 6 units high. Use ten lugs and a stand post about 9 units long. Add a strainer block on one side.

Answer: A drawing with matching ellipses, ten evenly spaced lugs, a centered post about 9 units long, and a small strainer block on one side.

Reason: The width-to-height ratio is 12 to 6, or 2 to 1. Ten lugs are even. The post length is about 1.5 times the shell height, which fits the convention.

Check: Measure the ratio and confirm it is about 2 to 1. Count ten lugs and check even spacing. Measure the post against shell height and confirm it is about 1.5 times.

Task 3

Draw a snare drum from a front view with a shell 10 units wide and 6 units high. Use eight lugs and show the tripod base with legs spreading at equal angles. Label the basket arms.

Answer: A front-view drawing with elliptical rims, eight lugs, equal tripod legs, and labeled basket arms touching the bottom rim.

Reason: Front view still uses elliptical rims to show the cylinder. Eight lugs are even. Equal leg angles make the stand stable. Basket arms connect the stand to the shell.

Check: Check that rims are elliptical and match in width. Count eight lugs. Measure leg angles or lengths to confirm equality. Confirm basket arms touch the bottom rim.

Draw a Snare Drum: Shell, Lugs, and Stand Construction

Original tasks 4 / complete keys

Task 4

Draw a snare drum with a shell 9 units wide and 6 units high. Use eight lugs and a stand post 12 units long. Add three snare lines under the bottom rim.

Answer: A drawing with matching ellipses, eight evenly spaced lugs, a centered post 12 units long, and three short snare lines under the bottom rim.

Reason: The width-to-height ratio is 9 to 6, or 1.5 to 1. Eight lugs are even. The post is 2 times the shell height, which is within the convention. Snare lines show the snare mechanism simply.

Check: Measure the ratio and confirm it is about 1.5 to 1. Count eight lugs and check spacing. Measure the post and confirm it is about 2 times shell height. Count three snare lines.

Draw a Snare Drum: Shell, Lugs, and Stand Construction

Source rubric / reflection

- [ ] Shell is drawn as a cylinder with matching elliptical rims.
- [ ] Lugs are evenly spaced and consistent in size.
- [ ] Tension rods connect lugs to the rim clearly.
- [ ] Stand post is centered under the shell.
- [ ] Tripod legs are equal in length and spread evenly.
- [ ] Basket arms touch the bottom rim symmetrically.
- [ ] Labels are clear and correct.
- [ ] Valid alternative styles are accepted if construction logic is preserved.

Reflection: What did you check, what did you change, and what will you try next?