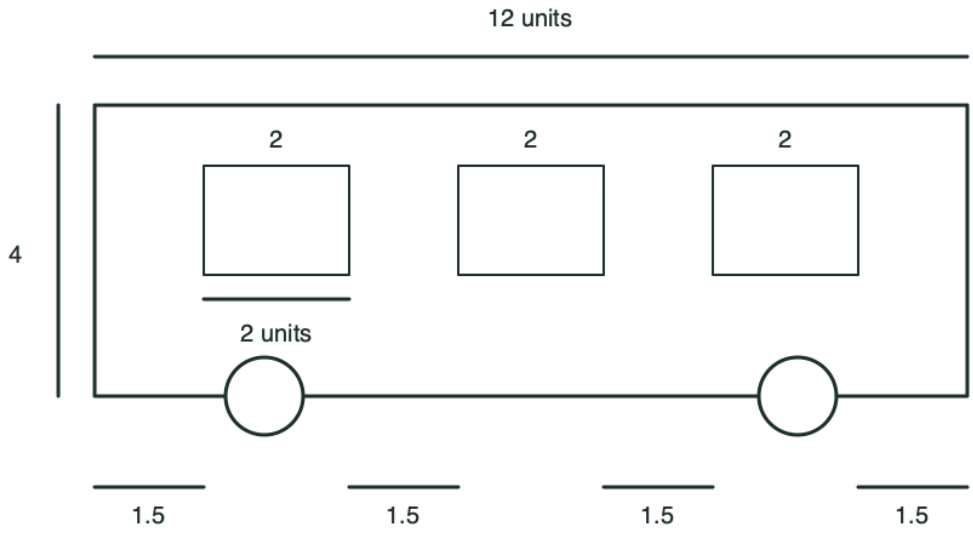
Draw an RV with a Box Body and Window Layout

EXERCISE 1 / ANSWERS

A box-body RV is 12 units long and 4 units high. You want three equal windows of width 2 units each and equal gaps. Find the gap width.

Schematic answer / hypothetical units



(12 - 3 x 2) / 4 = 1.5 units

Total window width is 6 units. Remaining length is 12 - 6 = 6 units. With four gaps, each gap is 6 / 4 = 1.5 units.

Why: Subtract total window width from body length, then divide by the number of gaps.

Check: Add 3 windows and 4 gaps: 6 + 6 = 12 units, matching the body length.

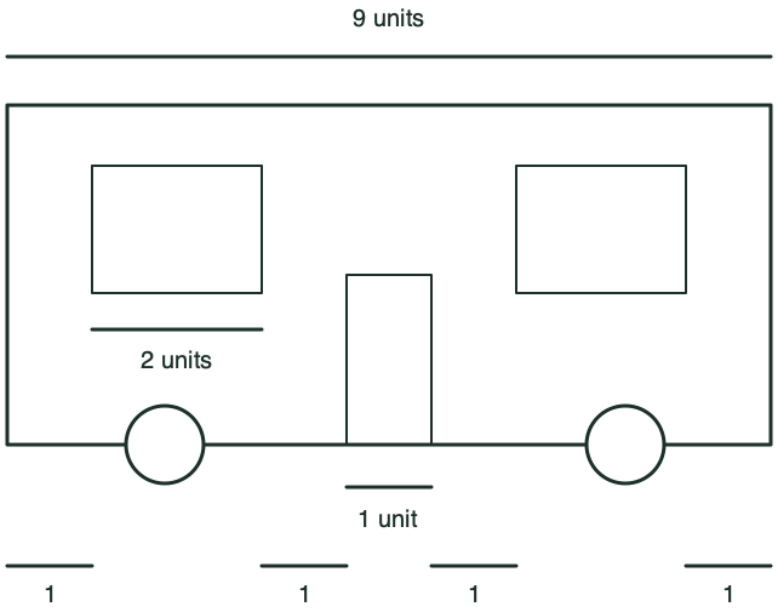
Illustrative construction, not printed at actual size.

Draw an RV with a Box Body and Window Layout

EXERCISE 2 / ANSWERS

An RV body is 9 units long. A door of width 1 unit is centered. Two windows of width 2 units each sit on either side with equal gaps. Find the gap width.

Schematic answer / hypothetical units



(9 - 1 - 2 - 2) / 4 = 1 unit

Total door and window width is 1 + 2 + 2 = 5 units. Remaining length is 9 - 5 = 4 units. With four gaps, each gap is 1 unit.

Why: Use the same subtraction and division method, counting all gaps including edges.

Check: Sum: 1 + 2 + 2 + 4 gaps of 1 = 9 units.

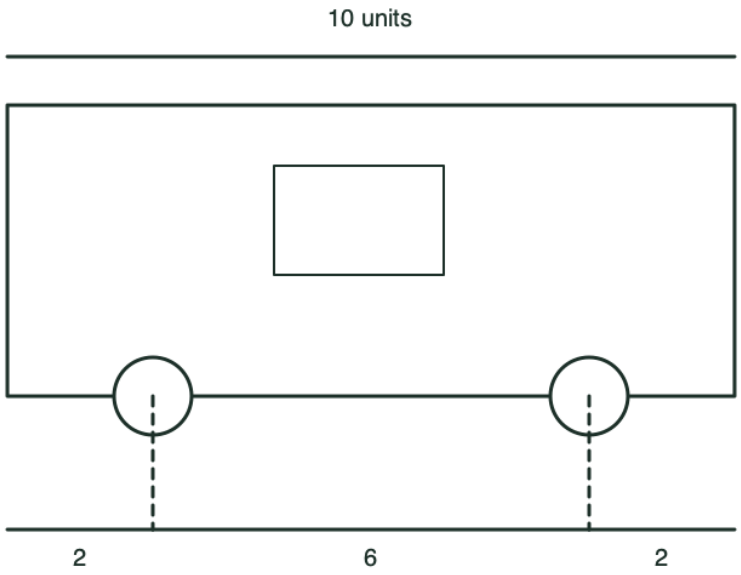
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Draw an RV with a Box Body and Window Layout

EXERCISE 3 / ANSWERS

Two wheels have centers 6 units apart on a 10-unit body. The rear wheel center is 2 units from the rear edge. How far is the front wheel center from the front edge?

Schematic answer / hypothetical units



Front offset = 10 - 2 - 6 = 2 units

The front wheel center is 10 - 2 - 6 = 2 units from the front edge.

Why: Subtract the rear offset and wheel spacing from total length.

Check: Add rear offset, spacing, and front offset: 2 + 6 + 2 = 10 units.

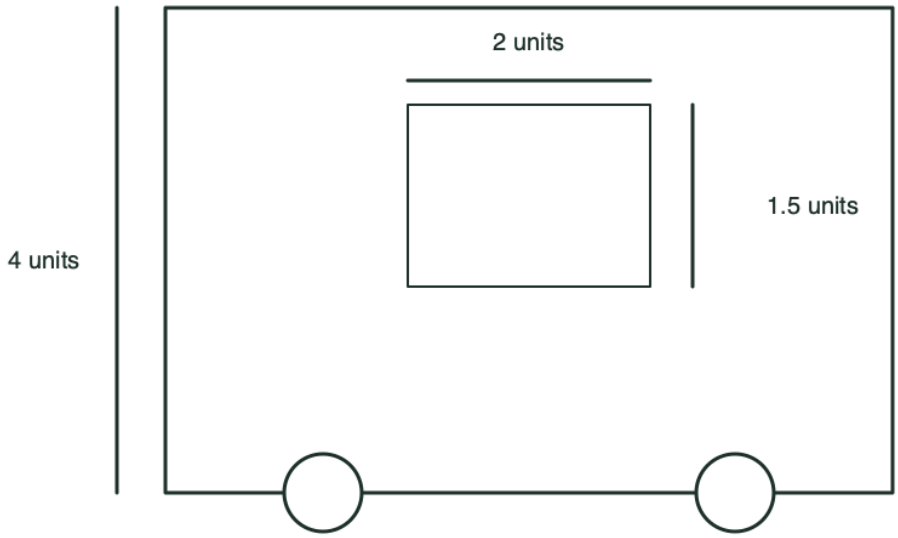
Illustrative construction, not printed at actual size.

Draw an RV with a Box Body and Window Layout

EXERCISE 4 / ANSWERS

A window is 2 units wide and 1.5 units high. The body is 4 units high. What fraction of body height does the window occupy?

Schematic answer / hypothetical units



1.5 / 4 = 0.375 = 3/8

The fraction is 1.5 / 4 = 0.375, or three eighths.

Why: Divide window height by body height.

Check: Multiply 0.375 by 4 to get 1.5 units.

Illustrative construction, not printed at actual size.