

STAPLE IF NECESSARY

HEADER

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A BALL FALLS FROM REST. HOW FAR WILL IT FALL IN 2.5 SECONDS?

GIVEN OR KNOWN

$$V_0 = 0$$

$$t = 2.5 \text{ s}$$

$$g = 9.8 \text{ m/s}^2$$

UNKNOWN

X - DISTANCE FALLEN

THEORY

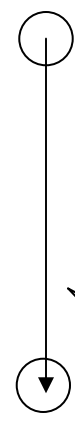
$$X = \frac{1}{2} g t^2 + V_0 t$$

SOLUTION

$$X = \frac{1}{2} g t^2 + V_0 t$$

$$X = .5 (9.8 \text{ m/s}^2) (2.5 \text{ s})^2 + 0 (2.5 \text{ s})$$

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| $X = 30.6 \text{ m}$ |
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PROBLEM STATEMENT REQUIRED ON ALL PROBLEMS

FIGURE REQUIRED ON ALL PROBLEMS

BOX AROUND ANSWER REQUIRED ON ALL PROBLEMS

MARGIN