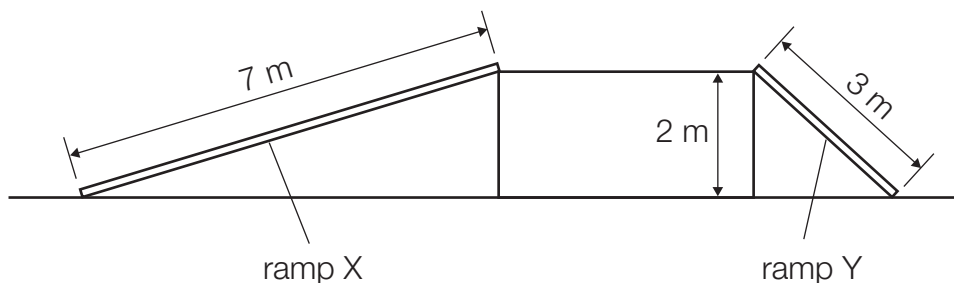


SCIENCE

SECOND OPEN-ENDED ITEM

C.3.1.3

Use the diagram below to answer question 18.



18. A worker needs to move a box of heavy equipment from the ground to a platform 2 meters high. Rather than lift the box, the worker can use one of two ramps. Ramp X is 7 meters long and ramp Y is 3 meters long.

Part A: Why would a worker use a ramp rather than lift the box?

Part B: Choose either ramp X (7 meters long) or ramp Y (3 meters long) and explain the benefits of using that ramp instead of the other ramp.

Sampler Sequence	Scorepoint 2	Scorepoint 1	Scorepoint 0
18	25%	39%	36%