

SMART EXAM RESOURCES
SUBJECT: PHYSICS
TOPIC: CENTRE OF GRAVITY / STABILITY
SET-1-QP-MS

Fig. 2.1 shows a ship loaded with containers.

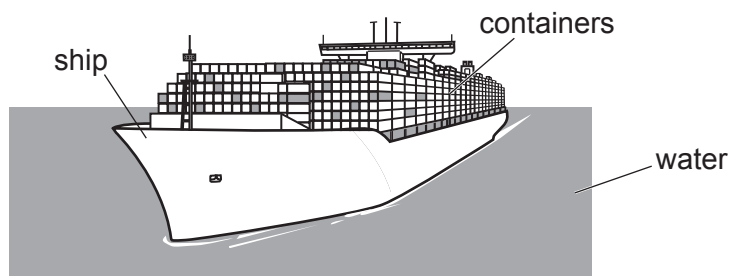


Fig. 2.1

- (b) The containers with the greatest mass are loaded near the bottom of the ship.

State and explain the effect on the stability of the ship of loading the containers in this way.

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MARK SCHEME:

the centre of gravity is lower and (so) the ship is more stable	A2
the centre of gravity is lower OR ship more stable	(C1)