

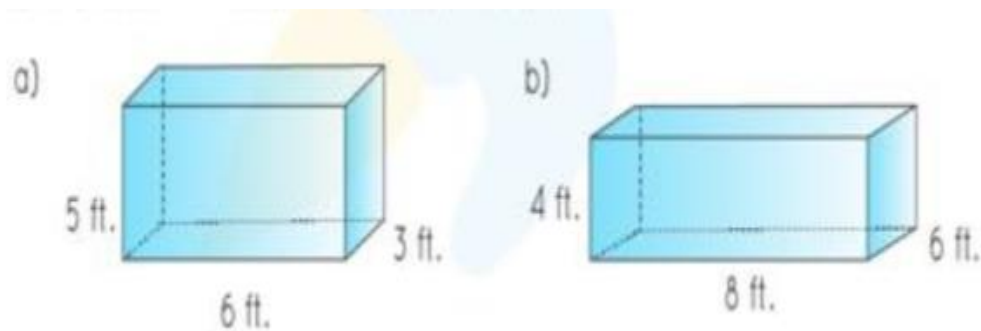
VOLUME

MATHEMATICS

CLASS V

Sameera is an entrepreneur. She owns her own startup company where she manufactures hair scrunchies, packs them and deliver them to customer's home or to other small business houses. She got few orders where she need to pack 160, 180 and 360 scrunchies.

She has got two type of cuboidal cartons, where 20 scrunchies take up the space of 10 cubic feet of volume.



1) What is the volume of carton 'a'?

- A) 80 cubic feet
- B) 70 cubic feet
- C) 90 cubic feet
- D) 190 cubic feet

2) In which carton she can pack 160 scrunchies?

- A) Carton 'a'
  - B) Carton 'b'
  - C) None of the cartons
  - D) Both the cartons
- 3) How much more volume will 180 scrunchies take up than 160 scrunchies, if they are packed in the carton?
- A) 70 cubic feet
  - B) 20 cubic feet
  - C) 15 cubic feet
  - D) 10 cubic feet
- 4) In which carton 360 scrunchies can be packed?
- A) Carton 'a'
  - B) Carton 'b'
  - C) Both cartons
  - D) None of the cartons
- 5) How much difference is there between the volume of carton 'a' and carton 'b'?
- A) 102 cubic feet
  - B) 105 cubic feet
  - C) 111 cubic feet
  - D) 115 cubic feet