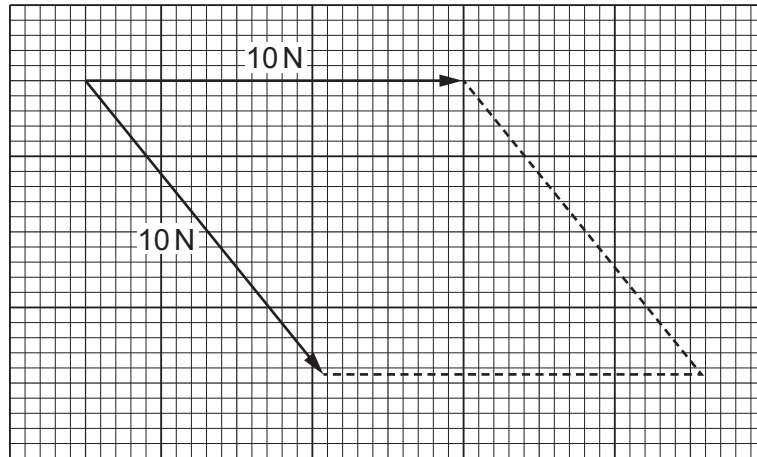
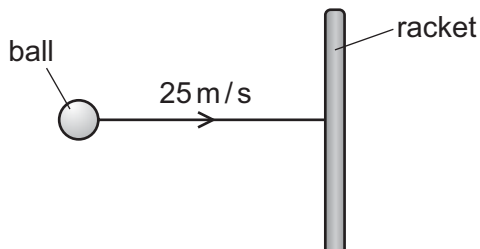


- 8 The diagram shows an incomplete scale drawing to find the resultant of two 10 N forces acting at a point in the directions shown.

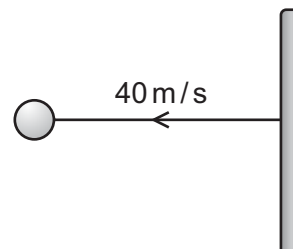


What is the magnitude of the resultant force?

- A** 7.5 N **B** 8.6 N **C** 18 N **D** 20 N
- 9 A tennis ball of mass 0.060 kg travels horizontally at a speed of 25 m/s. The ball hits a tennis racket and rebounds horizontally at a speed of 40 m/s.



before hitting racket



after hitting racket

The ball is in contact with the racket for 50 ms.

What force does the racket exert on the ball?

- A** 0.018 N **B** 0.078 N **C** 18 N **D** 78 N