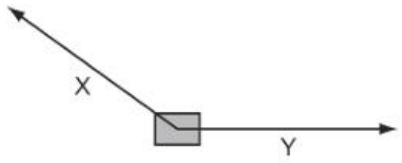
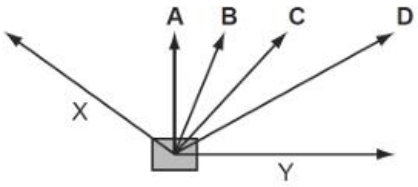
QUESTION # 2:

4 Forces X and Y act on a block in the directions shown on the scale diagram.



In which direction is the resultant force acting?



QUESTION # 3

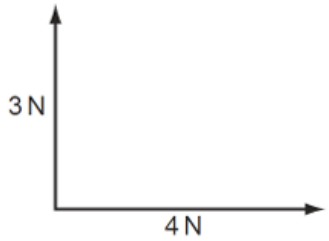
2 Two forces F_1 and F_2 act on an object O in the directions shown.

What is the direction of the resultant force?

A **B** **C** **D**

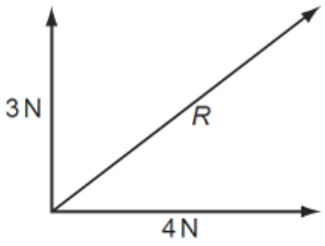
QUESTION # 1:

10 Forces of 3 N and 4 N are acting as shown in the diagram.

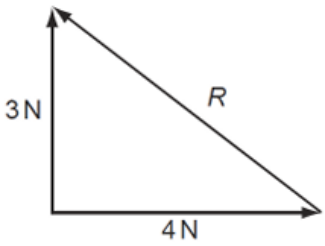


Which diagram may be used to find the resultant *R* of these two forces?

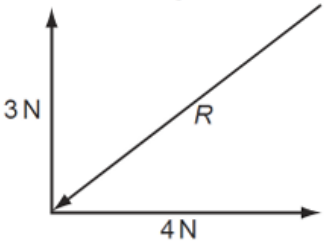
A



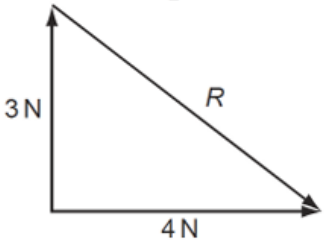
B



C

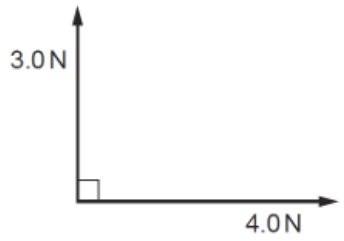


D



QUESTION # 4

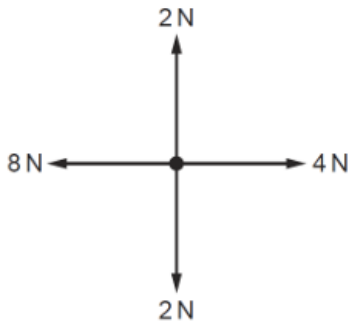
2 What is the size of the resultant of the two forces shown in the diagram?



A 1.0 N **B** 3.5 N **C** 5.0 N **D** 7.0 N

QUESTION # 5

6 Four forces act at a point as shown.



What is the size of the resultant force?

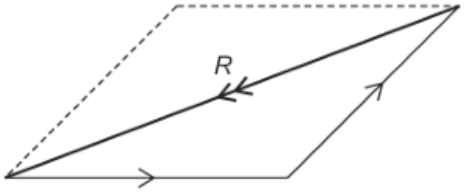
A 0 N **B** 4 N **C** 6 N **D** 8 N

QUESTION # 6

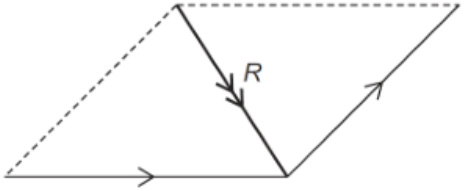
1 The diagram shows arrows representing two vector quantities.

Which diagram shows the resultant *R* of these two vectors?

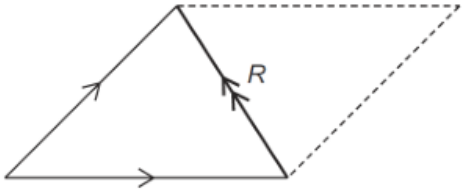
A



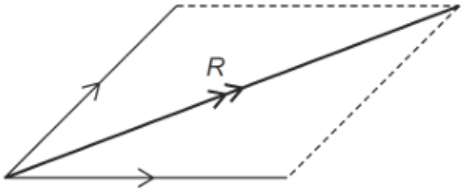
B



C

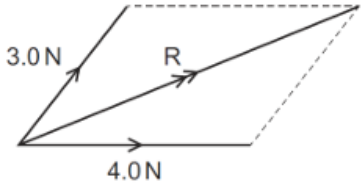


D



QUESTION # 7

3 The diagram shows the resultant R of a 3.0 N force and a 4.0 N force acting at a point.



The angle between the 3.0 N force and the 4.0 N force can be any value from 0° to 90°.

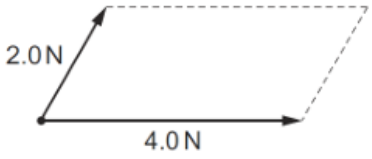
Which value of R is **not** possible?

A 4.0 N **B** 5.0 N **C** 6.0 N **D** 7.0 N

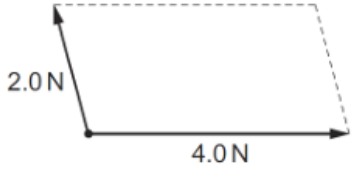
11 Forces of 4.0 N and 2.0 N act at a point.

Which scale diagram shows the forces that have a resultant of 4.0 N?

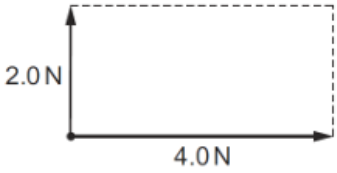
A



B



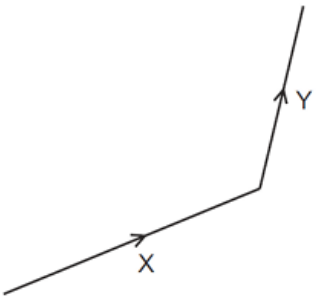
C



D

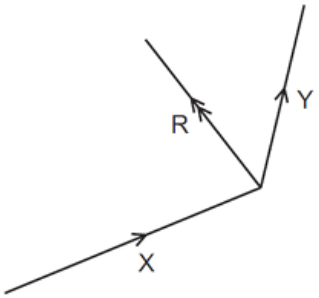
QUESTION # 9

2 Two forces X and Y act as shown.

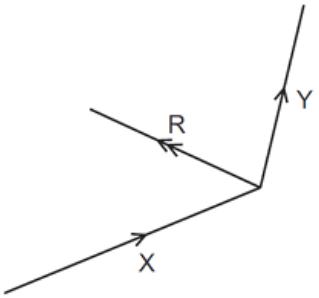


Which diagram shows the resultant force R of X and Y?

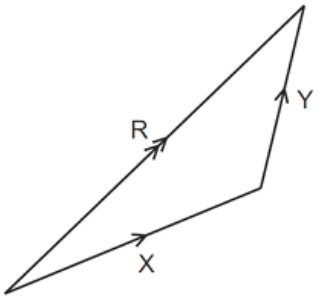
A



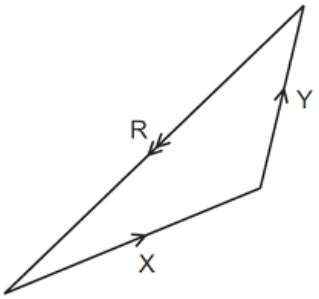
B



C



D



QUESTION # 10

7 When two forces are combined, the size of the resultant depends on the angle between the two forces.

Which of the following can **not** be the magnitude of the resultant when forces of magnitude 3 N and 4 N are combined?

A 1 N **B** 3 N **C** 7 N **D** 8 N