

POST TEST REGULAR SBMPTN

FISIKA_4

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- The graph shows a linear relationship between Force F (in Newtons) and time t (in seconds). The line starts at the origin $(0,0)$ and passes through the point $(6, 15)$. At time t , the force is 25 N .

A. 8 s ms^{-1}
B. 10 ms^{-1}
C. $22,5 \text{ ms}^{-1}$
D. $31,25 \text{ ms}^{-1}$
E. $62,5 \text{ ms}^{-1}$

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- A diagram showing a ball on a string being swung in a circular arc towards a block on a surface. The ball starts at a higher position and moves downwards and to the right, indicated by a dashed arrow. The string is attached to a fixed point and remains taut. The block is on a horizontal surface, represented by a hatched line.

A. 2,5 m/s
B. 10 m/s
C. 5,0 m/s
D. 40 m/s
E. 7,5 m/s

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- A. 1 : 3
- B. 1 : 9
- C. 3 : 1
- D. 9 : 1
- E. 1 : 1