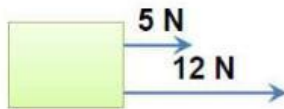


Latihan 2.9.1

Tentukan daya paduan.

Determine the resultant force

1.



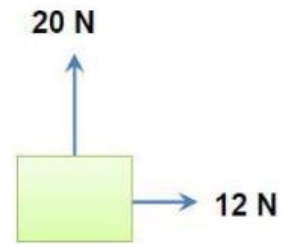
2.



3.



4.



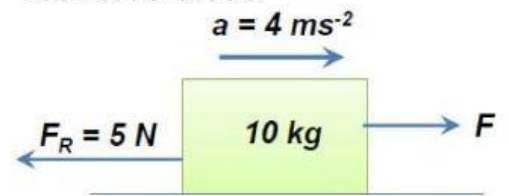
Latihan 2.5

1. Tentukan pecutan objek bagi kes di bawah. *Determine the acceleration.*

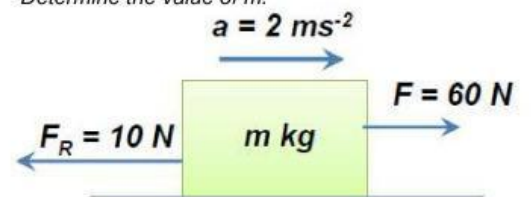
a)



2. Tentukan nilai F .
Determine the value of F .



3. Tentukan nilai m .
Determine the value of m .

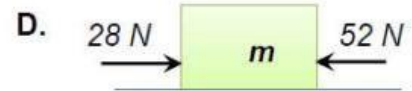


6. Sebuah kereta berjisim 1200 kg dengan halaju 20 m/s dibawa kepada keadaan rehat selepas bergerak 30 m. Cari
- nyahpecutan purata,
 - daya brek purata.

A car with a mass of 1200 kg traveling at a velocity of 20 m/s is brought to a state of rest after moving 30 m. Find:

- average deceleration,
- average braking force.

7. Yang mana satu sistem berikut akan menghasilkan pecutan maksimum?
Which of the following systems will produce maximum acceleration?



4. Berapakah daya diperlukan untuk menggerakkan objek berjisim 2 kg dengan pecutan 3 ms^{-2} , jika
- a) objek berada di atas permukaan yang licin?
 - b) objek berada di atas permukaan di mana daya geseran purata yang bertindak ke atas objek itu adalah 2 N?

How much force is required to move an object with a mass of 2 kg at an acceleration of 3 ms^{-2} , if:

- a) the object is on a smooth (frictionless) surface?*
- b) the object is on a surface where the average frictional force acting on the object is 2 N?*

5. Ali mengenakan daya 50 N untuk menggerakkan meja berjisim 10 kg dengan halaju malar. Apakah daya geseran yang bertindak di atas meja?

5. Ali applies a force of 50 N to move a table with a mass of 10 kg at a constant velocity. What is the frictional force acting on the table?