

13th July

Corbettmaths

Calculate the force if the pressure is 500N/m^2 and the area is 20m^2

Sarah is x years old.
Thomas is 3 years older than Sarah.
David is twice as old as Sarah.
The total of their ages is 51.

Write an expression for Thomas's age in terms of x .

Write an expression for David's age in terms of x .

Form an equation in x and solve it to work out Sarah's age.

Miss Black completes a journey in 3 stages.
In stage 1, she drives at a speed of 40km/h for 45 minutes.
In stage 2, she drives at 60 km/h for 2 hours 9 minutes.
Altogether, over the 3 stages, Miss Black drives 171.6km in 3 hours 15 minutes
What is her average speed, in km/h , in stage 3?