National 5 Maths
Maths.scot

Given $\mathbf{p} = \begin{pmatrix} 4 \\ -6 \end{pmatrix}$ and $\mathbf{q} = \begin{pmatrix} -5 \\ -1 \end{pmatrix}$.

Find the resultant vector $\frac{1}{2}\mathbf{p} + \mathbf{q}$.

Express your answer in component form.　　　　　　　　　　　　　**2**

Answer:

$\begin{pmatrix} -3 \\ -4 \end{pmatrix}$