

Year 10 Vector Starters

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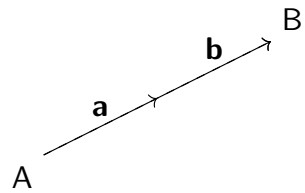
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Starter 1

1. Start with zero, add 7, subtract 10, add 6, subtract 3, what is the result?
2. What if you started with -5 ?

3. Add: $\begin{pmatrix} 4 \\ 1 \end{pmatrix} + \begin{pmatrix} 2 \\ 3 \end{pmatrix}$



4. Find: $-\begin{pmatrix} 5 \\ 2 \end{pmatrix}$
5. What column vector represents the reverse of the following vector:
 $\begin{pmatrix} 3 \\ -4 \end{pmatrix}$?

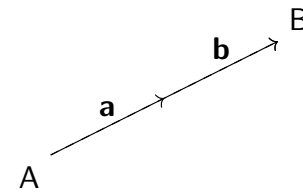
6. Write an expression in terms of **a** and **b** that represents the whole journey from A to B.

7. Which vector would undo that journey? How many different ways can you write it?

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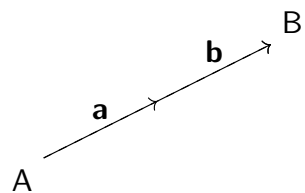
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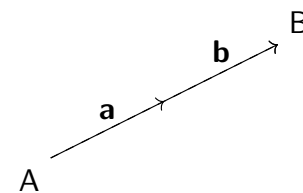
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