

QUESTION 9

In the diagram, $ABCD$ is a parallelogram with $AB = 14$ units. AD is produced to E such that $AD : DE = 4 : 3$. EB intersects DC in F . $EB = 21$ units.



- 9.1 Calculate, with reasons, the length of FB . (3)
- 9.2 Prove, with reasons, that $\triangle EDF \parallel \triangle EAB$. (3)
- 9.3 Calculate, with reasons, the length of FC . (3)
- [9]

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