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A particle is moving in a straight line with constant acceleration  $a \text{ m s}^{-2}$

The particle's velocity,  $v \text{ m s}^{-1}$ , varies with time,  $t$  seconds, so that

$$v = 3 - 4t$$

Deduce the value of  $a$

Circle your answer.

−4

−1

3

4

**[1 mark]**