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19 (a) Evaluate $\frac{5}{6} + \frac{2}{7} - \frac{4}{9}$

Give your answer as a fraction.

Show your working clearly.

.....
(2)

(b) Give your answer to part (a) as a decimal to 3 significant figures.

.....
(1)

(c) Give your answer to part (b) in standard form.

.....
(1)

(Total for Question 19 is 4 marks)

20 A particle P is moving along a straight line. At time t seconds, ($t \geq 1$), the displacement, s metres, of P from a fixed point O of the line is given by $s = t + \frac{4}{t}$

The particle comes to instantaneous rest at the point A .

(a) Find the value of t for which P is at A .

.....
(3)

When $t = 8$, P is at the point B .

(b) Find, in metres, the distance AB .

..... metres
(2)

(Total for Question 20 is 5 marks)

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