

- 5 A toy produces continuous waves when floating on the surface of a pool of water.

The waves spread out as circular wavefronts.

Diagram 1 shows the wavefronts produced when the toy is not moving, as viewed from above.

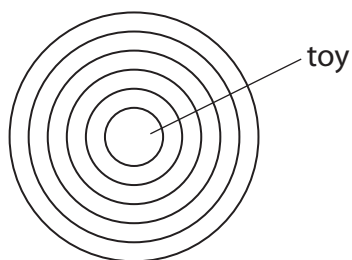


Diagram 1

Diagram 2 shows the wavefronts produced when the toy is moving across the surface of the pool of water.

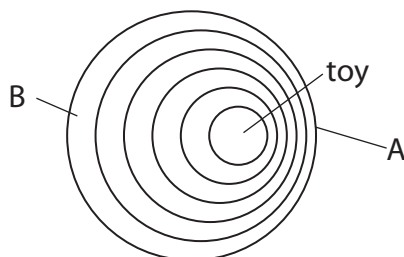


Diagram 2

- (a) Draw an arrow on diagram 2 to show the direction the toy is moving.

(1)

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(4)

(Total for Question 5 = 5 marks)

