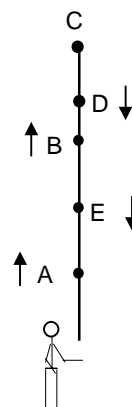


Ex 2 Throwing a hockey ball

Veronica throws a hockey ball straight up in the air and catches it as it comes down.

Think about 5 points along the path of the ball:

- A and B on the way up,
- C the highest point it reaches, and
- D and E on the way down.



1 In each box below draw **a line with an arrowhead** to represent the **velocity** of the ball.

Represent the **velocities** using

- the same scale for all velocities,
- as large a scale as possible to highlight the *relative* sizes, and
- **0** if the velocity is zero.

velocity at A

velocity at B

velocity at C

velocity at D

velocity at E

2 In each box below draw **a line with an arrowhead** to represent the **acceleration** of the ball.

Use similar conventions to those in the shaded box above.

acceleration at B

acceleration at C

acceleration at D