

9. Luna Life is a company that creates animations.

(a) The company logo shown below is stored as a vector graphic.



Identify the object used to make this logo and one of its attributes.

2

Object \_\_\_\_\_

Attribute \_\_\_\_\_

(b) Luna Life uses a program to calculate the cost of creating an animation. Part of the program is shown below.

```
SET basicCost TO timeInSeconds * animatorCharge
```

After the basic cost has been calculated, the following discounts can be applied to animations depending on their use:

- education — deduct £20 from cost
- charity — deduct £30 from cost.

Using a programming language of your choice, write the code to ask for the purpose of the animation, calculate any discount, and display the final cost in the variable `finalCost`.

4



\* X 8 1 6 7 5 0 1 0 6 \*



| MARKS | DO NOT<br>WRITE IN<br>THIS<br>MARGIN |
|-------|--------------------------------------|
|       |                                      |

9. (continued)

(c) State the part of the processor used, during the calculation of the discount, to:

(i) perform the calculation

1

---

(ii) temporarily store the values used in the calculation.

1

---

(d) Luna Life has 100 computers in its office. During the working day, staff use standby mode when their computers are not in use.

Describe why staff use standby mode.

1

---

---