ANSWER KEY

Activity Answer Keys

Here is the key for the activity.

Write the Rule

How to grade: Each machine is worth 1 point and the last question is worth 3. The charger and the email form follow rules a person wrote. The face unlock and the music app learned from examples, and the sheet says so.

#	Answer	Sample answer	Give the point if
1	Can be written	If the battery is at 100 percent, stop charging.	Give the point for any clear if-then rule about the battery level.
2	Can be written	If the address has no @ sign in it, refuse it.	Give the point for any clear if-then rule about the @ sign.
3	Cannot be written	I can't write it. It learned the face from photos, and nobody wrote down what the owner's face looks like as a rule.	Give the point for any answer saying the phone learned the face from photos, so there is no written rule to copy. 'If it is the owner's face, unlock' only says what it does, not how it decides.
4	Cannot be written	I can't write it. It depends on what huge numbers of other people listened to next, and nobody wrote that down.	Give the point for any answer about it coming from other people's listening rather than from a written rule.

Last question. Two of these you could write and two you could not. What is different about the two you could not? Write 2 sentences.

Sample answer: Somebody wrote the first two out, so I could write them out too. The other two came from a machine finding patterns in a huge number of examples, and nobody ever wrote that rule down.

Give all three points for naming both sides: a person wrote one kind, and the other came from examples with no written rule. Give two for naming only one side.