

Pico Selection Predict

Page title, today's date, question numbers and answers only in your exercise books

Match the outlines below to the correct sections of code

1. Repeat the same question until the right answer is input. (E, F, G or H)
2. Check to see if the answer is the same as (=) 30 or **not** the same. (E, F, G or H)
3. Check to see if the answer is the same as (=) 150 **else** it is not. (E, F, G or H)
4. Run the sections of code in order. (E, F, G or H)

5, Draw the flow of control for code section H. Remember to put a dot on the line to show code blocks and a diamond to show decisions.

6, Conditions in Scratch often start with if and are always this shape.



List the conditions in each code section. The first one has been done for you.

F1, if answer = 30

F2,

G1,

H1,

NOW MARK THIS PAGE

Pico Selection

Run & Investigate

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- 1, In code section p1, what happens if your answer is the same as (=) 30?
- 2, In code section p1, what happens if the answer is **not** the same as 30?
- 3, In code section p1, is there any answer that will start **both** say blocks?
- 4, In code section p3, repeat until is a loop. Is it a **definite loop** where we know how many times it will repeat or an **indefinite loop** where we don't know how many times it will repeat?
- 5, What is the condition in section p3?
- 6, Which blocks decide the order of the questions in the Pico sprite?

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Pico Selection **Modify**

- 1, Change the question and correct answer in p2. What did you change it to?
- 2, Change the order of the questions so p3 is first followed by p2 and then p1. What did you change?
- 3, Add code to the question in p1 so that if someone types the word thirty, they are also correct. What did you add?
- 4, Add code to p2 so that Pico changes colour 100 times when the question is answered correctly. What did you add and where did you add it?

NOW MARK THIS SECTION

Pico Selection **Create**

- 1, Add two maths questions to the end of the Tera code. Make sure one uses two if blocks and the other one uses an if else block.

SAVE YOUR SCRATCH WORK INTO YOUR HOME AREA AS PICO CREATE

