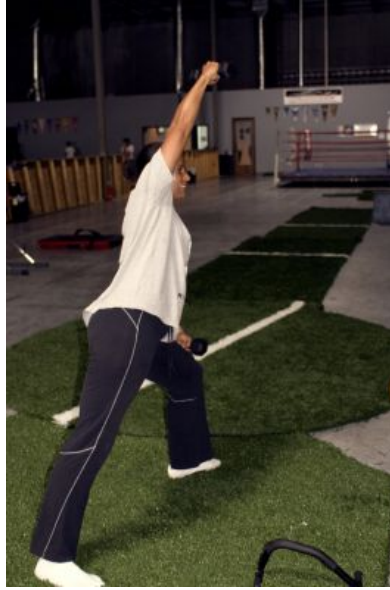


# Fitness plan

This task is about finishing a number pattern and writing a rule.



Petra and Sina are working together on their fitness plan. Each day they plan to jog for 5 minutes longer than the previous day.

Here is their plan.

a) Fill in the missing numbers in the table.

<b>Day (<math>d</math>)</b>	1	2	3	4	5	...	10	25
<b>Time spent jogging (<math>t</math>) (minutes)</b>	4	9	14	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>

b) Complete this rule relating the time spent jogging ( $t$ ) to the number of the day ( $d$ ).

$$t = \boxed{\phantom{000}}$$

c) On what day would they jog for exactly 84 minutes?

d) Why is it impossible for Petra and Sina to keep to this plan for a whole year?