

Task 1

Look at the command buttons on your Pro-bot. Think how you are going to draw a **straight line** measuring **10cm**. Write your instructions in the box →

Instructions:



Task 2

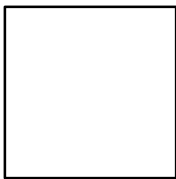
Can you decide how you can create 2 lines that are at a **90 degree angle** to each other?

Instructions:



Task 3

Now put 4 lines together to make a **square**.



Instructions:

Task 4

We can use the Repeat button **Rpt[** to make the instructions simpler. Don't forget to close the brackets **]** at the end!

Instructions:

Task 5

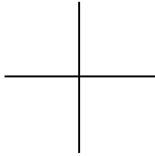
Let's create 3 squares, turning after each square. Be sure to turn by 120 degrees before each new square.

Instructions:

```
Rpt 3 [      Fd12
Fd12      Rt
Rt      Rt120
Fd12      ]
Rt
Fd12
Rt
```

Task 6

Use the *Repeat* button to create a plus sign. You can move forward and backward.



Instructions:

Task 7

Think of a letter (made of straight lines). Can you write the *commands* that the Pro-bot needs to follow to draw this letter?

Instructions:

Task 8

Can you create a *rectangle* which has both an *area* of 18cm^2 and a *perimeter* of 18cm ? How much do its sides measure?

Instructions: