

Patterning Problems

Problem A

Dev records the time that his cricket team practises each week. Dev forgot to record the time for Week 5. There is a pattern in the practice times.

Week	Practice Time (min)
1	25
2	35
3	50
4	70
5	
6	125



Identify the pattern rule.

What was the practice time in Week 5? How did you find out?

Suppose the pattern continues.

What would be the practice time in Week 10?

Is this reasonable? Explain.

Patterning Problems (cont'd)

Problem B

Jenna's mom is training to be the soccer coach for Jenna's team. She must read the **429-page** book *The Ultimate Guide to Coaching Soccer* before the season starts on **May 16th**.

Jenna records how many pages her mom reads each day and notices a pattern.

May						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 89 pages read	2 76 pages read	3 64 pages read	4 53 pages read	5 43 pages read	6	7 26 pages read
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



Identify the pattern rule.

Jenna accidentally erased the number of pages her mom read on May 6th. How many pages is this?

Suppose this pattern continues.

Will Jenna's mom finish the book in time? Explain.