

# Year 7 Patterns & Time Worksheet



## Patterns

1. Type the missing number in this sequence:  
5, 6, 8, 11, 15, \_\_\_\_\_, 26
2. Type the missing number in this sequence:  
93, 86, \_\_\_\_\_, 72, 65
3. Type the missing number in this sequence:  
1, 3, 9, \_\_\_\_\_, 81, 243
4. On her cell phone plan, Jakob used 3 minutes in December, 9 minutes in January, 27 minutes in February, and 81 minutes in March. If this pattern continues, how many minutes will Jakob use in April?
5. Cyprus put 24 magazines in the first pile, 36 magazines in the second pile, 48 magazines in the third pile, 60 magazines in the fourth pile, and 72 magazines in the fifth pile. If this pattern continues, how many magazines will Cyprus put in the sixth pile?
6. Francis picks 3 berries from the first bush, 9 berries from the second bush, 27 berries from the third bush, 81 berries from the fourth bush, and 243 berries from the fifth bush. If this pattern continues, how many berries will Francis pick from the sixth bush?
7. Sandy sent 24 text messages in January, 30 text messages in February, 36 text messages in March, 42 text messages in April, and 48 text messages in May. If this pattern continues, how many text messages will Sandy send in June?
8. Rony made 3 phone calls on Wednesday, 6 phone calls on Thursday, 9 phone calls on Friday, and 12 phone calls on Saturday. If this pattern continues, how many phone calls will Rony make on Sunday?

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## Time

1. Elijah and his brother are going to a hockey game on Saturday. The game starts at 7:30 P.M. It takes 30 minutes to drive to the hockey rink, and they want to get there 30 minutes before the game starts to get good seats. What is the latest time Elijah and his friends can leave for the game?

- A. 7:00 P.M.
- B. 8:30 P.M.
- C. 5:30 P.M.
- D. 6:30 P.M.

2. Danny's class took a field trip to the art museum. They left school at 9:30 A.M. It took them 1 hour to drive to the museum. They stayed at the museum for 1 hour. What time was it when Danny's class left the museum?

Include A.M. or P.M. in your answer (for example, 11:58 A.M.).

3. Kelsie flew from Seattle to San Diego with a stop in San Francisco to switch planes. Her first flight left Seattle at 10:00 A.M. and was 2 hours and 30 minutes long. Kelsie was in San Francisco for 30 minutes, and her flight from San Francisco to San Diego was 2 hours and 30 minutes long. What time was it when Kelsie landed in San Diego?

Include A.M. or P.M. in your answer (for example, 11:58 A.M.).

4. Find the elapsed time.

**Start:** 9:30 A.M.  
**End:** 10:30 A.M.

\_\_\_ hours \_\_\_ minutes

5. Find the elapsed time.

**Start:** 3:45 A.M.  
**End:** 4:15 A.M.

\_\_\_ hours \_\_\_ minutes

6. Find the elapsed time.

**Start:** 7:45 A.M.  
**End:** 10:45 A.M.

\_\_\_ hours \_\_\_ minutes

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7. Add:

2 weeks + 1 week 3 days = weeks days