



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Pythagoras lives in Scalene City and will be working in Mathemia for the next two weeks, measuring the angles for Galileo's new buildings. He has the train timetable in front of him but doesn't want to waste too much time in travel. It takes Pythagoras five minutes to walk from Mathemia Station to his work at Galileo's office.

## Trains to Mathemia: (am)

Scalene City	Isosceles Avenue	Triangle Rd	Equilateral Lane	Mathemia
5:30	5:33	5:37	5:52	6:03
5:45	5:48	5:52	6:07	6:18
6:00	6:03	6:07	6:22	6:33
6:15	6:18	6:22	6:33	6:48
6:30	6:33	6:37	6:52	7:03
6:45*				7:05
7:00	7:03	7:07	7:22	7:33
7:15	7:18	7:22	7:33	7:48
7:30*				7:50



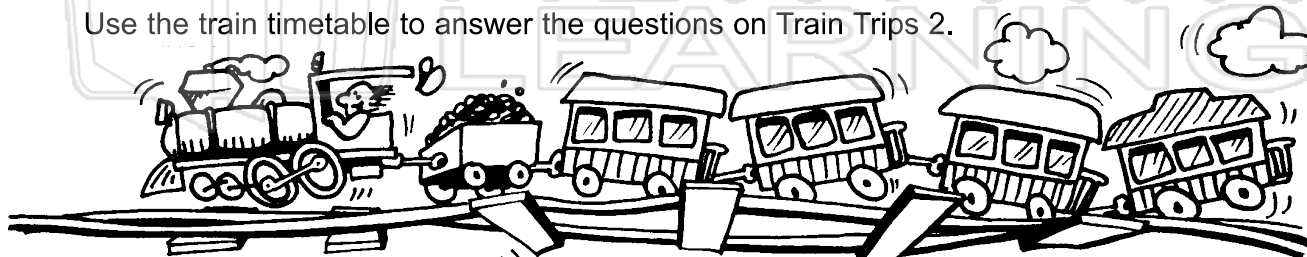
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5:40	5:51	6:06	6:10	6:13
6:20	6:31	6:46	6:50	6:53
6:40	6:51	7:06	7:10	7:13
7:00	7:11	7:26	7:30	7:33

Trains run every hour on the hour until midnight:

Use the train timetable to answer the questions on Train Trips 2.





Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Use the timetable to answer these questions.

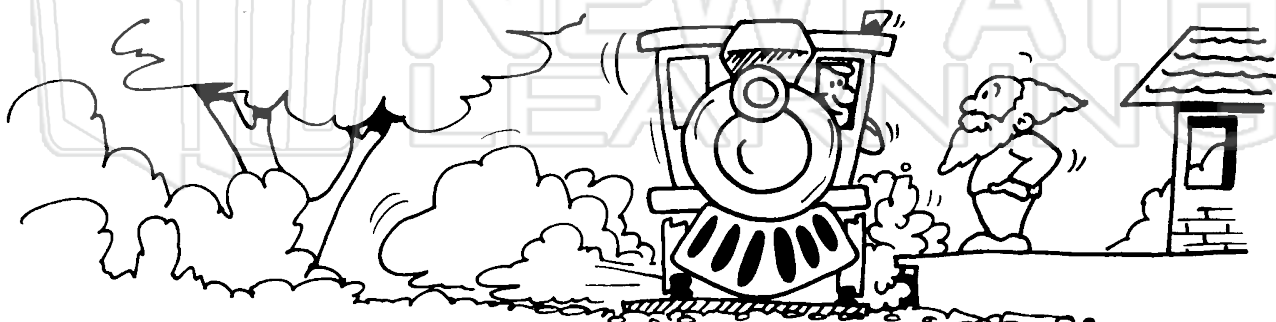
1. How many trains run from Scalene City to Mathemia after 7:30 a.m.?.....
2. How long is a train trip at 6:15 a.m. from Scalene City? .....
3. What reason might explain the 45 minute trips between 7:30 a.m. and 9:15 a.m.? .....
4. Pythagoras wants to spend at least 8 hours in Mathemia as he has lots of triangles to measure. What train trips could he take to make sure he spends the least amount of time possible waiting for and catching trains?  
a) .....



PREVIEW

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8. Pythagoras left on the 6:45 a.m. train on the following Monday. At 12:00 p.m. he had a dentist appointment, so he left work at 11:10 a.m. For how long had Pythagoras been at work on that day? .....





Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Use the timetable to answer these questions.

1. How many trains run from Scalene City to Mathemia after 7:30 a.m.? **28**.....

2. How long is a train trip at 6:15 a.m. from Scalene City? **33 minutes**.....

3. What reason might explain the 45 minute trips between 7:30 a.m. and 9:15 a.m.? .....

**Peak Travel times - more people are getting on and off so the train spends more time at each station.**

4. Pythagoras wants to spend at least 8 hours in Mathemia as he has lots of triangles to measure. What train trips could he take to make sure he spends the least amount of time possible waiting for and catching trains?

a) **Catch the express at 6:45, return on 3:12 train. Travel time = 53 minutes**



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5. Pythagoras left on the 6:45 a.m. train on the following Monday. At 12:00 p.m. he had a

dentist appointment, so he left work at 11:10 a.m. For how long had Pythagoras been at work on that day? **4 hours**.....

