Canonbury Home Learning

Year 6 Maths

Developing/ Expected/ Greater depth activity

Lesson 4

LO: TBAT interpret data in timetables.

Task: You are going apply your knowledge to solve several problems including interpreting data in tables.
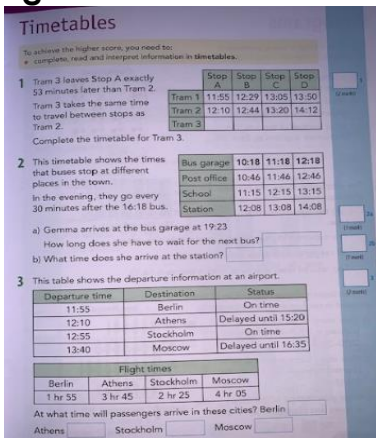
Success Criteria:

1. **Read the information of the question.**
2. **Highlight the key points of the question.**
3. **Answer the questions by filling in values or information.**

Recap:

Please watch my model video.

Year 6 Maths
Main activity
Complete at least 2 columns, more if you can!

Task 1	Task 2	Task 3

Task 1 — Developing/ Expected

This timetable shows the times trains stop at different stations. Use the information to answer the questions below.

London	06:55	08:30	09:25		16:48
Birmingham	09:10	10:34	11:31	14:11	18:55
Leeds	11:07	12:29		15:18	20:44
Newcastle	12:45	14:05		17:10	22:23
Edinburgh	13:55		16:00	18:28	23:39
Aberdeen	15:15	16:30	17:15	19:57	

1. Kylie gets to Birmingham station at 10:40 and catches the next train to Aberdeen. If she had arrived 10 minutes earlier at Birmingham station, how much earlier could she have arrived in Aberdeen?

2. Tom caught the train in London at five to seven and got off in Leeds to visit a friend. He spent 3 hours with his friend and then got on the next train from Leeds to Aberdeen. What time did he arrive in Aberdeen? Write the time in words.

Now answer these other word problems.

3. Andrea leaves Bristol at 13:23. Her journey takes 2 hours and 50 minutes. When does she arrive? Write the time in words.

4. Lorenzo arrives in Compton at 23:01. If his journey took 12 hours and 15 minutes, what time did he leave? Write the time in 24-hour digital time.

SATs Book Activities
Greater Depth
Pg. 53

Timetables

To achieve the higher score, you need to:
• complete, read and interpret information in timetables.

1 Tram 3 leaves Stop A exactly 53 minutes later than Tram 2.
Tram 3 takes the same time to travel between stops as Tram 2.
Complete the timetable for Tram 3.

	Stop A	Stop B	Stop C	Stop D
Tram 1	11:55	12:29	13:05	13:50
Tram 2	12:10	12:44	13:20	14:12
Tram 3				

2 This timetable shows the times that buses stop at different places in the town.
In the evening, they go every 30 minutes after the 16:18 bus.

Bus garage	10:18	11:18	12:18
Post office	10:46	11:46	12:46
School	11:15	12:15	13:15
Station	12:08	13:08	14:08

a) Gemma arrives at the bus garage at 19:23
   How long does she have to wait for the next bus?
b) What time does she arrive at the station?

3 This table shows the departure information at an airport.

Departure time	Destination	Status
11:55	Berlin	On time
12:10	Athens	Delayed until 15:20
12:55	Stockholm	On time
13:40	Moscow	Delayed until 16:35

Flight times

Berlin	Athens	Stockholm	Moscow
1 hr 55	3 hr 45	2 hr 25	4 hr 05

At what time will passengers arrive in these cities? Berlin
Athens   Stockholm   Moscow

Task 2 — Arithmetic

8 $868 \div 7 =$ _____

9 $\frac{1}{8}$ of $32 =$

10
$$\begin{array}{r} 9372 \\ -\ 7511 \\ \hline \end{array}$$

11 $876 + 543 - 198 =$

12 55% of $400 =$

13 $45.9 \times 100 =$

14
$$\begin{array}{r} 3456 \\ \times\quad 5 \\ \hline \end{array}$$

Task 3 — Problem Solving/ Reasoning

Task 1

Here is the morning timetable for Chen's class this week.

Time	Mon	Tue	Wed	Thu	Fri
9:00 am – 10:30 am	Maths	English	Maths	English	Maths
10:30 am – 11:00 am	Break	Break	Break	Break	Break
11:00 am – 12:00 pm	English	Maths	Science	Maths	English

What is the **total** number of hours for **English** on this timetable?

Task 2

Here is part of the morning bus timetable from Winton to Yansley.

Winton	9:35	9:55	10:15	10:35
Ingham	9:45	10:05	10:25	10:45
Carston	10:01	10:21	10:41	11:01
Dubley	10:23	10:43	11:03	11:23
Yansley	10:55	11:15	11:35	11:55

How many minutes does the bus take to get from Ingham to Dubley?

Megan is in Carston.

She wants to be in Yansley before 11:30

What is the time of the latest bus she can take from Carston?

One morning, the 10:35 bus from Winton gets to Carston 3 minutes early.

What time does it get to Carston?

Task 3

This table shows the opening times of a pet clinic.

Pet Clinic	
Monday	10am to 4:30pm
Tuesday	10am to 4:30pm
Wednesday	Closed all day
Thursday	10:30am to 2:30pm
Friday	1pm to 6:30pm
Saturday	10am to 5:30pm
Sunday	Closed all day

How many hours is the clinic open on Thursday?

On which day is the clinic open for the longest time?

Liam takes his dog to the clinic on Saturday.

He arrives at 9:25am.

How many minutes is it before the clinic opens?