



Makes Maths Fun

Level 7 TIME

Bloomsmath is a comprehensive mathematics program which provides a fun way for every student to be learning to the best of their ability.

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Time

Level 7 is designed for students in their seventh year at school often called Year 6. Students will use twenty-four hour time and am and pm notation in real-life situations and construct timelines.

Knowledge: Students will read a conference schedule and find the time of certain events.



Students who demonstrate proficiency in this activity move on to Comprehension.



Students stop here as they require additional teacher support to master this activity.

Comprehension: Students will use a conference schedule to work out a set of courses and how long they will last.



Students who demonstrate proficiency in this activity move on to Application.



Students stop here if time has run out or they require additional support with this activity.

Application: Students will design an 8 hour day of their choice at the conference.



Students who demonstrate proficiency in this activity move on to Analysis.



Students stop here if time has run out or they require additional support with this activity.

Analysis: Students will translate the conference from US times to Australian times.



Students who demonstrate proficiency in this activity move on to Synthesis.



Students stop here if time has run out or they require additional support with this activity.

Synthesis: Students will calculate the travel time plus attendance time for 4 conference participants.

Evaluation: Suggested questions provide a starting point for discussions related to Time.



Students may complete more or fewer activities for each learning outcome depending on the time allocated and their strength in the area being covered.



All students should participate in the Evaluation discussion to encourage the use of mathematical language, logical reasoning and reflection on that which they have completed.

Time - Level 7 - Students will use 24hr time, am and pm notation and timelines in real-life situations.

This is a program of events at the annual sweets and confectionary conference. There are displays, workshops, guest speakers and competitions to make the 3 day conference exciting. This will be used for all 5 activities in this set of Bloomsmath programs.

Monday, December 9	Talks
7:00 AM - 12:00 PM	Registration
8:00 AM - 8:45 AM	Keynote Speaker: Chocolate Is The Best!
8:45 AM - 9:15 AM	Coffee Break
9:15 AM - 12:00 PM	Track 1 : Health and Food Safety
9:15 AM - 9:55 AM	Health & Cocoa
9:45 AM - 10:10 AM	Sugar Versus No Sugar
10:00 AM - 10:25 AM	Beetroot Versus Cochineal
10:15 AM - 11:15 AM	Your Teeth Matter
11:00 AM - 11:30 AM	Slimming Chocolate - The Holy Grail!
11:20 AM - 11:55 AM	Mood Or Hype You Decide
11:45 AM - 12:00 PM	Selling Blue Chocolate - It Works
11:30 PM - 1:30 PM	Lunch
1:30 PM - 4:30 PM	Track 2 : Processing
1:30 PM - 2:00 PM	Conch Versus Machine
2:00 PM - 2:30 PM	Mars Wrigley Confectionary - How we do it
2:30 PM - 3:00 PM	Nestle - Why We Are The Best
3:00 PM - 3:30 PM	Break
3:30 PM - 4:00 PM	Hersheys - From America With Love
4:00 PM - 5:00 PM	Rowntree - Oldie But A Goodie

Market Hall	Shows & Displays
7:00 AM - 12:00 PM	Registration
8:15 AM - 9:00 AM	Chocolate Wheel - Centre Stage
9:00 AM - 9:20 AM	Chocolate Coffee - A Perfect Combination - Centre Stage
9:15 AM - 10:20 AM	Nuts About Almonds - Stand 140
9:20 AM - 9:45 AM	Meet The Milky Bar Kid - Centre Stage
9:45 AM - 10:00 AM	New Bubble Gum Chocolate Tasting - Stand 85
10:00 AM - 10:30 AM	Willy Wonka Show - Centre Stage
10:10 AM - 10:35 AM	Hand Made Confectionary - A Dying Skill - Stand 12
10:20 AM - 11:00 AM	Toffee Chocolate - The Best of Both Worlds - Stand 52
10:30 AM - 11:10 AM	Employee Hygiene - Your Number 1 Concern - Stand 90
11:00 AM - 11:35 AM	Tower Of Chocolate - Stand 104
11:10 AM - 11:30 AM	Purity Foods - Sugar Free All The Way - Stand 49
11:30 AM - 1:30 PM	Lunch - Available At Centre Stage
1:30 PM - 2:40 PM	RAPID Workshop - Centre Stage
1:30 PM - 1:45 PM	History of Cadbury - Stand 81
1:50 PM - 2:45 PM	Fountain Of Fun - Stand 104
3:00 PM - 3:20 PM	Confectionary Concert - Centre Stage
3:10 PM - 4:00 PM	Guess The Weight Draw - Stand 8
4:00 PM - 4:30 PM	Chocolate Ice Cream - Stand 66
4:15 PM - 4:55 PM	Chocolate Vitamins - Healthy Sweet Treats - Stand 19
4:50 PM - 6:00 PM	Combating Food Waste Panel Discussion - Centre Stage
5:20 PM - 5:45 PM	Green Packaging - Stand 72
6:00 PM - 6:10 PM	Lucky Door Prize Drawn

Name: _____

Knowledge

Using the conference schedule answer the questions below.

What time are each of these talks being held?

- Your Teeth Matter?
- Health and Cocoa?
- Slimming Chocolate?
- Lunch?

How long do each of the afternoon processing talks last?

What is the shortest talk or event of the day?

Which is the longest talk or event of the day?

What is the latest time that you can arrive to register for the conference?

What time does the whole day finish?

What talk/s or shows could you go to at each of these times:

- 8:15am
- 10:20am
- 13:00
- 15:25
- 17:20

List 3 events or talks which are running simultaneously.

-
-
-



Let's Try This Again



Progress To Comprehension

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Knowledge

Comprehension

Application

Analysis

Synthesis

Evaluation

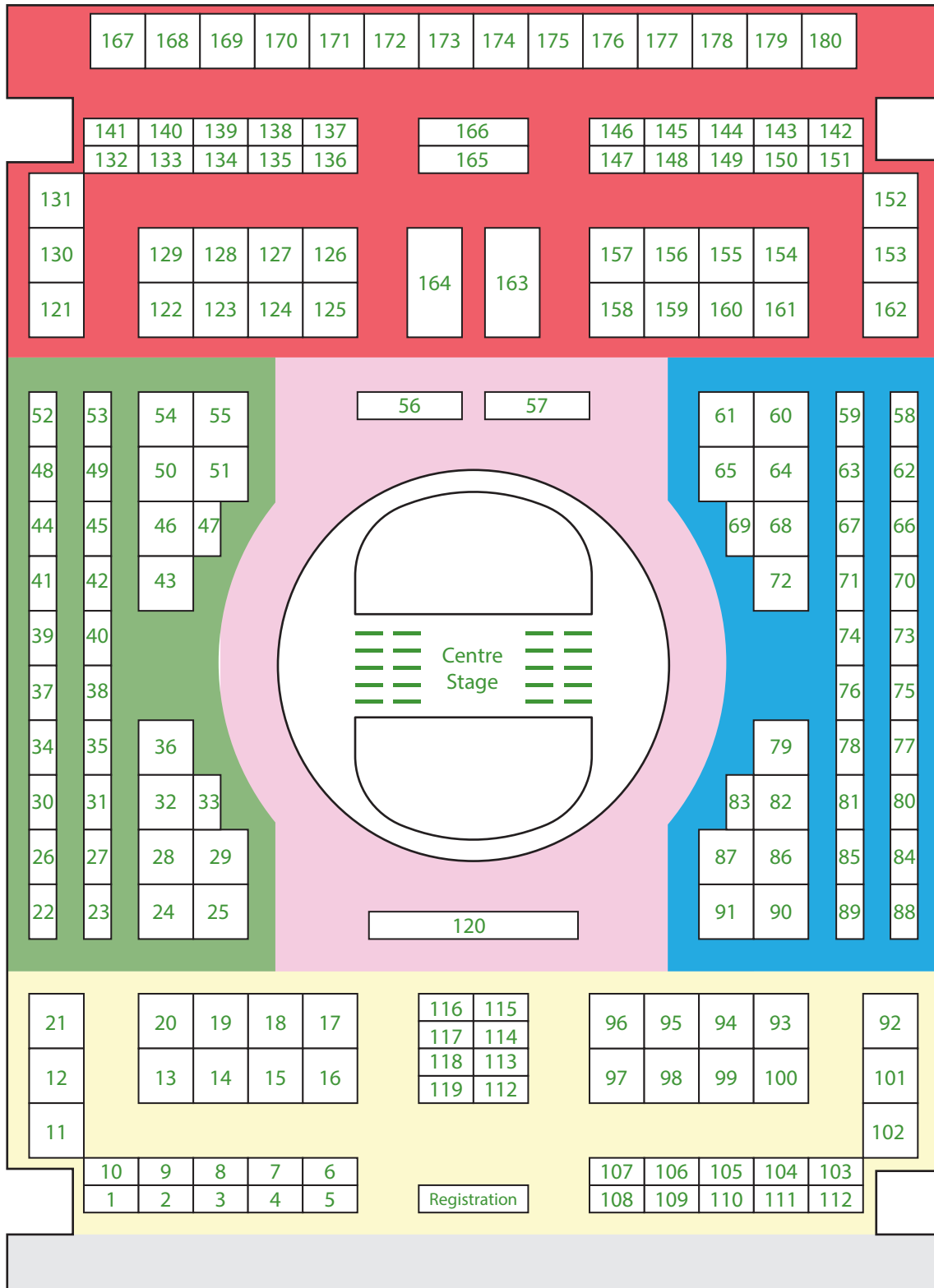
Time - Level 7 - Students will use 24hr time, am and pm notation and timelines in real-life situations.



Name: _____

Application

On the diagram below map the stands holding individual displays and when each is on. See if you could attend all of them in the 1 day? How many events on centre stage would you also get to see?



Time - Level 7 - Students will use 24hr time, am and pm notation and timelines in real-life situations.

Knowledge
Comprehension
Application
Analysis
Synthesis
Evaluation



Let's Try This Again



Progress To Analysis

Name: _____

Synthesis

The program you made for the **Analysis** activity was created using the local times in Bangkok, Thailand where the conference is being held. You need to recalculate these times to match your hometown of Sydney, Australia so you know when you can Zoom call your colleagues to share the show with them. Convert the first 15 events you chose on the table below.

Note: Your colleagues work from 8:45am until 6:30pm Sydney time and
8am in Bangkok = 12pm in Sydney
3pm in Bangkok = 7pm in Sydney

Bangkok Time	Sydney Time	Talk, Display or Show

Time - Level 7 - Students will use 24hr time, am and pm notation and timelines in real-life situations.

Knowledge
Comprehension
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Evaluation



Let's Try This Again



Progress To Evaluation

Evaluation

The following questions and activities are provide as a starting point for fun discussions related to Time. During these conversations students will have an opportunity to use appropriate mathematical language in its correct context, to engage in reflection on the Time activities they have completed and to use logical reasoning to tie their in-class mathematics to its everyday context.



Should the conference schedule have been in 12 or 24hr time?



Explain to students that conferences generally have a long lunch break to encourage people to visit the other displays.



Look at a conference timetable such as Comic-Con where 25 rooms can be running simultaneously. How would students plan their day?



Compare students' programs and see who managed to see the most and get the most value for their conference attendance fee?



See if students can work out how many hours of talks are going to be presented across the Keynote, Tracks 1 and 2.



Discuss what a lucky door prize is and why this is left until very last to announce.

