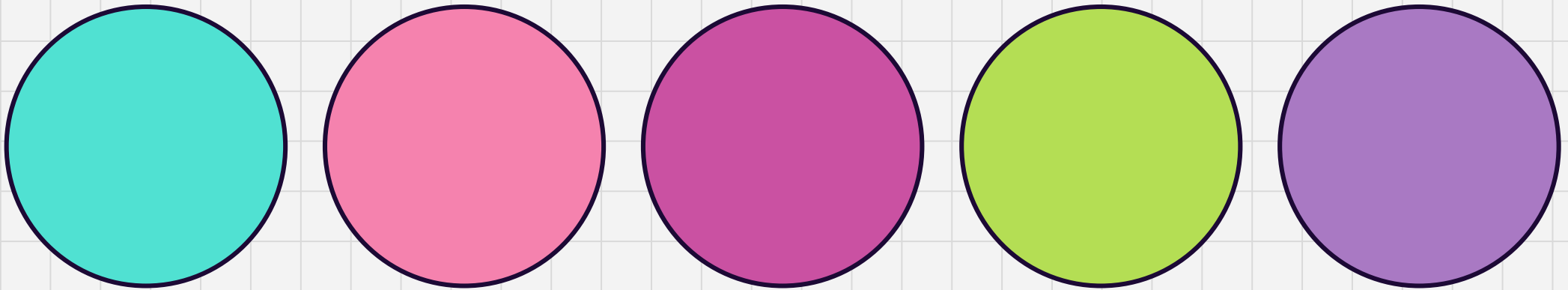# Unit 4, Module 1, Session 3

Time on a Number Line

Learning Goal:

I can use a number line to determine the elapsed time of daily activities.

T7

✏️ Unit 4 Pre-Assessment Student Reflection Sheet

Skill	Look at these problems.	I can do this well already.	I can do this sometimes.	I need to learn to do this.	Notes
Can you solve story problems about mass, length, and liquid volume?	1a, 1b, 1c, 2a				
Do you remember to label your answers with the correct units when you solve story problems?	1a, 1b, 1c, 2a				
Can you choose the equation that best represents a story problem?	2b				
Can you choose the type of measurement (mass, length, or volume) needed to measure something, and also choose the best unit?	3a, 3b, 3c				
Can you read and write time to the minute?	4, 5				
Can you solve a story problem about time?	6				
Do you understand that half of a small object is not equal to half of a large object?	7a, 7b				
Can you compare fractions and tell when they're equivalent (equal)?	8, 12, 13a, 13b, 13c, 13d				
Can you split a shape into the number of parts you need to make a certain fraction, and then shade that fraction in correctly?	9a, 9b				
Can you place fractions correctly on a number line?	10				
Do you understand that fractions have to be equal parts of the same whole?	11				
Do you understand that the more parts you cut something into, the smaller the parts are?	12				

- After you have made a mark and some notes about each skill above, draw a star next to the two skills that you need to work on the most during this unit.
- Write other ideas about what you want or need to learn how to do during this unit.
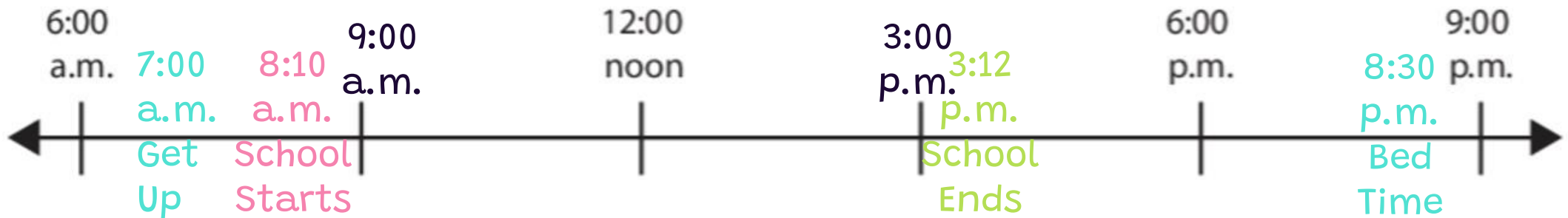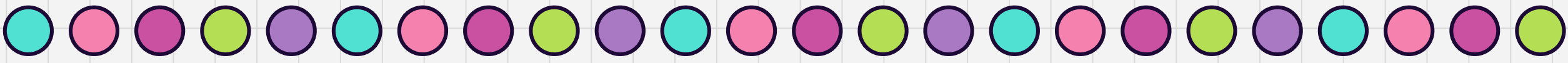
Problems & Investigations

Timelines

1 Label each of the marks with the correct time. Then mark and label other times along the line to show when you do different things throughout the school day.

6:00 a.m.   7:00 a.m. Get Up   8:10 a.m. School Starts   9:00 a.m.   12:00 noon   3:00 p.m.   3:12 p.m. School Ends   6:00 p.m.   8:30 p.m. Bed Time   9:00 p.m.

2 Pablo gets home from school at 3:00 p.m. and then plays baseball for an hour and a half. What time is he done playing?

+1 hour

+½ hour
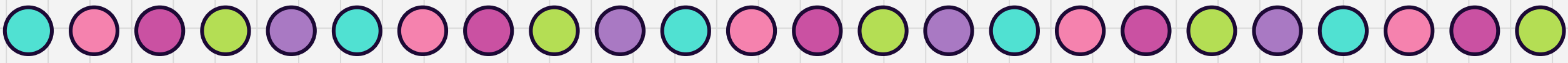
12:00 noon

6:00 p.m.

3:00 p.m.

4:00 p.m.   4:30 p.m.
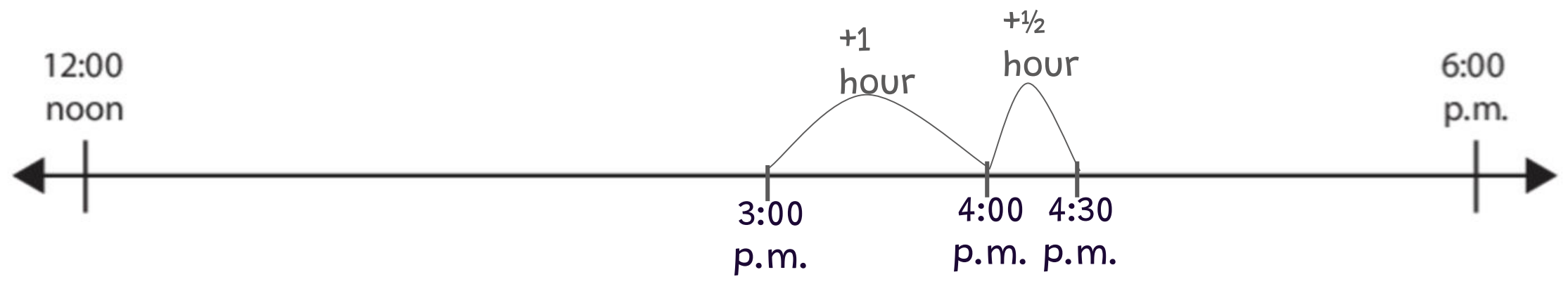
Pablo was done playing at 4:30 p.m.

3 Serana woke up at 7:30 a.m. and spent 45 minutes getting ready for school. What time was she ready?

6:00
a.m.

+30
min

+15
min

12:00
noon

7:30
a.m.

8:00
a.m.

8:15
a.m.
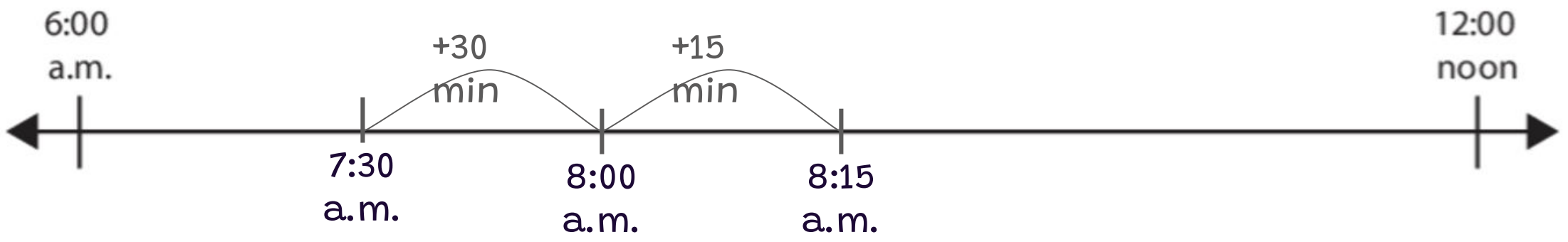
Serana was ready at 8:15 a.m.

4 Brandon and Beth went to a Robotics Competition last Saturday at 8:30 a.m. It lasted 5 hours and 45 minutes. What time were Brandon and Beth done?

8:30 a.m. — +1 hr → 9:30 a.m. — +1 hr → 10:30 a.m. — +1 hr → 11:30 a.m. — +1 hr → 12:30 p.m. — +1 hr → 1:30 p.m. — +30 min → 2:00 p.m. — +15 min → 2:15 p.m.

They were done at 2:15 p.m.

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Student Book page 107:
Complete together

NAME _____ | DATE _____
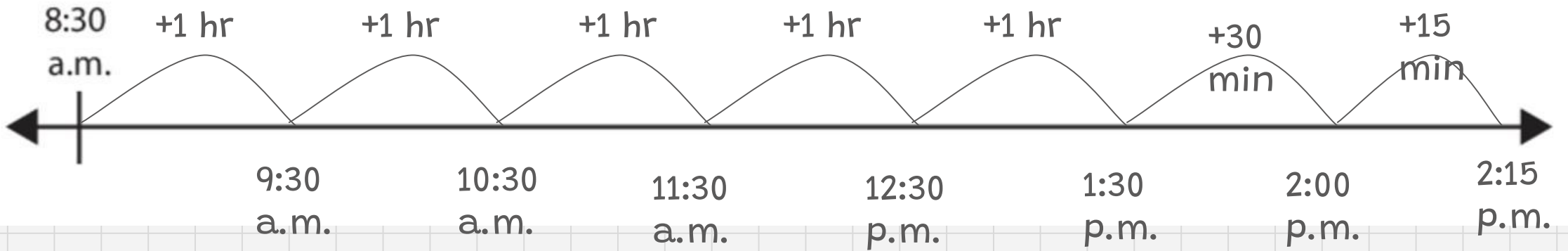
What Is the Time? page 1 of 2

1 Use the timelines to model and solve problems a and b below.

a Tifani's school ended at 3:30. She went to soccer practice after school for 1 hour and 15 minutes. Then it took her 10 minutes to walk home. When did she arrive home?

$\longleftarrow$ _____ $\longrightarrow$

Tifani arrived home at _____.

b Craig starts walking to school at 7:45 am. It takes him 20 minutes to walk to school. School starts at 8:30 am. How much time does Craig have before school starts?

$\longleftarrow$ _____ $\longrightarrow$

Craig has _____ before school starts.

2 Sara is only allowed to spend 5 hours a week watching television. Look at the chart to see how much she has used so far this week. How much time does she have left to watch television this weekend? Show all your work.

Day	Time
Monday	45 minutes
Tuesday	60 minutes
Wednesday	90 minutes
Thursday	45 minutes
Friday	30 minutes

Sara has _____ left to watch television this weekend.

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1 Use the timelines to model and solve problems a and b below.

a Tifani's school ended at 3:30. She went to soccer practice after school for 1 hour and 15 minutes. Then it took her 10 minutes to walk home. When did she arrive home?

← ———————————————————————— →

Tifani arrived home at _____.

b Craig starts walking to school at 7:45 am. It takes him 20 minutes to walk to school. School starts at 8:30 am. How much time does Craig have before school starts?

Craig has _____ before school starts.

2 Sara is only allowed to spend 5 hours a week watching television. Look at the chart to see how much she has used so far this week. How much time does she have left to watch television this weekend? Show all your work.

Day	Time
Monday	45 minutes
Tuesday	60 minutes
Wednesday	90 minutes
Thursday	45 minutes
Friday	30 minutes

Sara has _____ left to watch television this weekend.

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3 Show your work for the problems below. You can draw and use timelines to help if you like.

a Noah started playing his guitar at 3:22 p.m. He played for 46 minutes. When did he stop playing?

Noah stopped playing his guitar at _____.

b Jennifer usually starts her homework at 6:30 p.m., but she was 8 minutes late. She worked on her homework for 27 minutes. What time did she finish her homework?

Jennifer finished her homework at _____.

C **CHALLENGE** Jeremy started exercising at 4:45 p.m. and he stopped at 5:38 p.m. How long did he exercise?

Jeremy exercised for _____.

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Independent Work

Must Do

Student Book Page 109-110

XtraMath

May Do

2D Doubles Help

3A Round Ball Tens

3B Add & Round Tens

3C Round Ball Hundreds

3D Round & Add Hundreds

4A Tic-Tac-Tock