CAP3-Maths

Unit 20: Time

Lesson 4:

Measuring time intervals

Student book: page 108

Workbook: pages 216-217

Learning objective:

Students will be able to:

_choose the units of time.

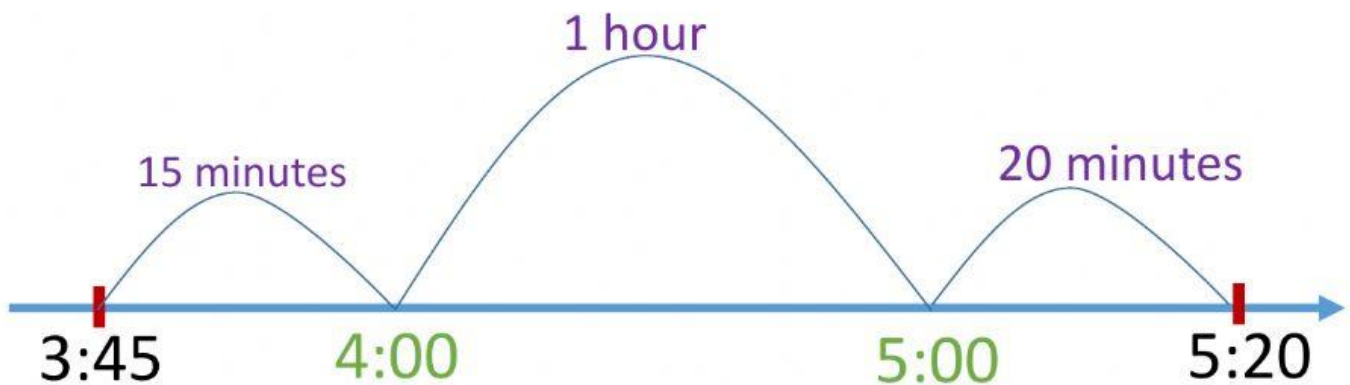_measure the time intervals.

What is the time interval from 3:45 to 5:20?

Step 1: Count to the next whole hours (O'clock).

Step 2: Add all the time intervals until the final time.
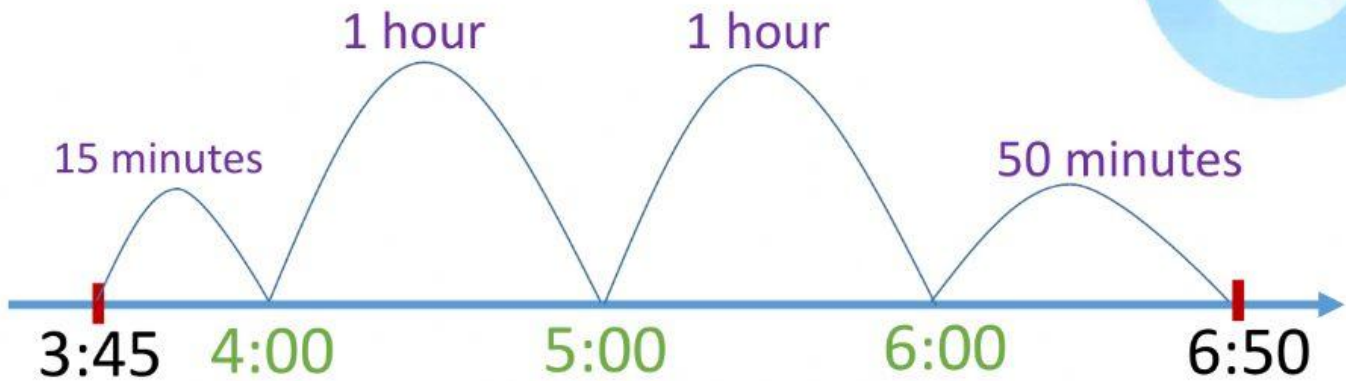
15 minutes + 1 hour + 20 minutes = | 1 hour 35 minutes |

1 hour

15 minutes

20 minutes

3:45   4:00   5:00   5:20

What is the time interval from **3:45 to 6:50**?

2 hours 65 minutes

1 hour
60 minutes

1 hour   1 hour

15 minutes   50 minutes

3:45   4:00   5:00   6:00   6:50

65 minutes = 60 minutes + 5 minutes

= 1 hour + 5 minutes

2 hours 65 minutes = 2 hours + 1 hour + 5 minutes

= **3 hours 5 minutes**

What is the time interval from 5:25 to 7:00?

5:25 -> 6:00 -> 7:00

35 mins + 1 hr = 1 hour 35 minutes

What is the time interval from 7:35 to 9:25?

What is the time interval from 4:10 to 6:30?

1 Calculate these time differences. Draw a number line to help you.

a 7:30 to 8:30

| 1 hour |

7:30 -> 8:00 -> 8:30
30 mins + 30 mins = 1 hour

b 10:00 to 11:30

c 12:15 to 2:00

d 3:10 to 5:30

1 Use the words below to describe the time intervals.

minutes   hours   days   weeks

a The length of time you watch TV each week.

_____

b The length of time it takes you to get to school in the morning.

_____

c How long it is until the end of term. _____

d How long it is until home time. _____

e How long it takes you to sharpen a pencil. _____

2 Calculate these time differences and choose the best unit of time for your answer. Draw a number line to help you.

a 8:25 a.m. to 9:50 a.m.

b 11:45 a.m. to 12:20 p.m.

c 11:55 a.m. to 3:15 p.m.

d 2:05 p.m. to 5:55 p.m.

e 3:35 p.m. to 8:05 p.m.

1 Which of these is the greatest time difference?
Underline your answer.

      7:15 a.m. to 4:35 p.m.   or   12:25 p.m. to 7:55 p.m.

Explain how you worked out the answer

_____

2 Farrah left home at 8:35 a.m. It took her 20 minutes to walk to her friend's house. She stayed there for 2 hours and 55 minutes, then she walked back home.
What time does she arrive home?

Show how you worked this out on a number line.