Measurement

Activity 7 Assessment

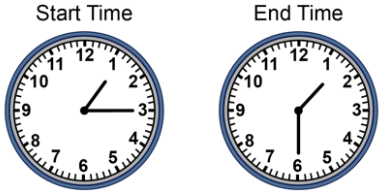
Solving Problems Involving Duration

Exploring Duration

Tells time using fractions.

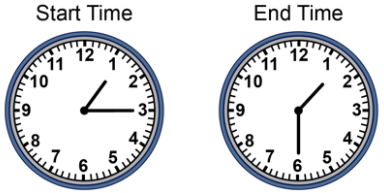
"It is quarter to three or two forty-five."
(« Il est quinze heures moins quart ou quatorze heures quarante-cinq. »)

Determines duration in minutes



"I skip-count by 5s as the minute hand moves from 3 to 6: 5, 10, 15. The duration is 15 min."
(« Je compte par bonds de 5 au fur et à mesure que l'aiguille des minutes passe de 3 à 6 : 5, 10, 15. La durée est de 15 minutes. »)

Relates durations in minutes to fractions of an hour



"I know there are 4 groups of 15 min in 60 min.
So, 15 min is $\frac{1}{4}$ h."
(« Je sais qu'il y a 4 groupes de 15 min dans 60 min.
Donc, 15 min, c'est $\frac{1}{4}$ h. »)

Observations/Documentation

Measurement

Activity 7 Assessment

Solving Problems Involving Duration

Exploring Duration (cont'd)

Calculates duration of an event

On Saturday, Alicia visited her grandmother from 11:30 a.m. to 1:10 p.m.
How long did the visit last?

"The visit lasted 1 h 40 min or $1\frac{2}{3}$ h."

(« La visite a duré 1 h 40 min ou $1\frac{2}{3}$ h. »)

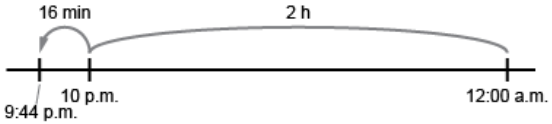
Compares durations using standard units

Start Time	End Time	Duration
12:18 p.m.	1:55 p.m.	1 h 37 min
11:23 a.m.	1:08 p.m.	1 h 45 min

"The second event lasted longer as 1 h 45 min > 1 h 37 min."
(« Le deuxième événement a duré plus longtemps car 1 h 45 min > 1 h 37 min. »)

Flexibly solves duration problems using various strategies and relationships among units

It is New Year's Eve. The clock will strike midnight in 136 min. What time is it?



"I know 1 h = 60 min and 2 h = 120 min.
136 min = 120 min + 16 min = 2 h and 16 min.
Midnight is 12:00 a.m. The time is 9:44 p.m."
*(« Je sais que 1 h = 60 min et 2 h = 120 min.
136 min = 120 min + 16 min = 2 h et 16 min.
Minuit est 00 h 00. Il est donc 21 h 44. »)*

Observations/Documentation