Units of Time

Some analog clocks have an hour hand,
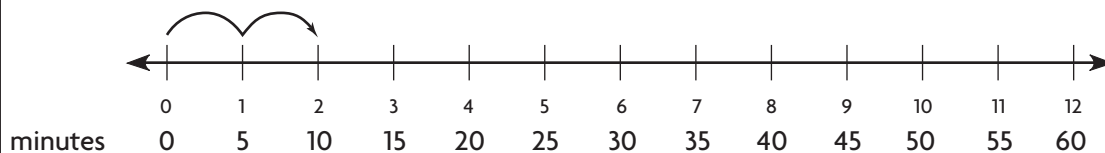a minute hand, and a **second** hand.

There are 60 seconds in a minute. The
second hand makes 1 full turn every minute.
There are 60 minutes in an hour. The minute
hand makes 1 full turn every hour. The hour
hand makes 1 full turn every 12 hours.

hour hand
minute hand
second hand

You can think of the clock as unrolling to become a number line.

hours   0 1 2 3 4 5 6 7 8 9 10 11 12

The hour hand moves from one number to the next in 1 hour.

	0	1	2	3	4	5	6	7	8	9	10	11	12
minutes	0	5	10	15	20	25	30	35	40	45	50	55	60

The minute hand moves from one number to the next in 5 minutes.

Use the table at the right to change between units of time.

Units of Time
1 minute = 60 seconds
1 hour = 60 minutes
1 day = 24 hours
1 week = 7 days
1 year = 12 months
1 year = 52 weeks

1 hour = 60 minutes, or 60 × 60 seconds, or
___3,600___ seconds.

So, 1 hour is ___3,600___ times as long as 1 second.

1 day = 24 hours, so 3 days = 3 × 24 hours, or
___72___ hours.

1 year = 12 months, so 5 years = 5 × 12 months, or ___60___ months.

Complete.

1 3 hours = _____ minutes

2 2 years = _____ weeks

3 6 days = _____ hours

4 5 weeks = _____ days

5 8 minutes = _____ seconds

6 7 years = _____ months