



Problems involving time

Find the answer to each problem.

A yard sale began at 12 P.M. and ended at 4:35 P.M. How long did it last?

$$\begin{aligned}12:00 \rightarrow 4:00 &= 4 \text{ h} \\4:00 \rightarrow 4:35 &= 35 \text{ min} \\ \text{Total} &= 4 \text{ h } 35 \text{ min}\end{aligned}$$

4 h 35 min

Fred's watch says 2:27. What time will it say in 1h 26 min?

$$\begin{aligned}2:27 + 1 \text{ h} &= 3:27 \\3:27 + 26 \text{ min} &= 3:53\end{aligned}$$

3:53

Rachel begins painting fences at 12:15 P.M. and finishes at 4:45 P.M. If she paints 3 fences, how long does each one take?

..... h min



Joy works from 9 A.M. until 5 P.M. every day. If she takes an hour's lunch break, how many hours does she work altogether from Monday through Friday?

..... h



A train leaves at 2:29 P.M. and arrives at 10:47 P.M. How long does the trip take?

..... h min



A castle has a 24-hour guard on the gate. Three soldiers share the work equally. If the first soldier starts his duty at 2:30 P.M., what times will the other two soldiers start their duties?

Soldier 2 pm



Soldier 3 am

Kobe wants to videotape a program that starts at 3:30 P.M. and finishes at 5 P.M. If the program is on every day for the next five days, how many hours will he videotape?

..... h min

