

Problem of the Week

Problem A

Time to Get Up

On the days she goes to work, Amy has a morning routine. The table below shows each activity she does and the time it takes to complete.

Activity	Time to Complete
Shower	15 minutes
Get dressed	10 minutes
Make and eat breakfast	20 minutes
Make lunch	15 minutes
Brush teeth and hair	5 minutes
Walk to work	45 minutes

Amy needs to be at work by 8:30 a.m. What is the latest time she could wake up in the morning, complete all of the activities in her routine, and get to work on time?

Justify your answer.

