Word Problems: Time Intervals

Materials: Word Problems: Time Intervals cards

1. Work with a partner. Choose five word problems that you will both solve.
2. Solve the word problems independently. For each problem:
   a) write an equation with a symbol for the unknown number
   b) draw a number line to model the problem
   c) answer the question in a complete sentence
3. After completing five problems share your work with a partner. Explain how you solved each problem using accurate mathematical vocabulary.
4. Repeat with another five problems from the set.
Word Problems: Time Intervals

I left school at 3:15 p.m. and arrived home 25 minutes later. What time did I arrive home?

Layla is making cupcakes. They need to bake for 45 minutes. She put them in the oven at 5:30 p.m. At what time should she take them out?

Bill left home at 3:20 p.m. to walk to his friend’s house. It took him 23 minutes. What time did Bill arrive at his friend’s house?

At 9:25 a.m. a teacher set a timer for 30 minutes quiet reading time. What time will it be when the timer rings?
Mrs. Jones left home at 6:45 a.m. and arrived at school at 7:23 a.m. How long did it take her to get to school?

John went to bed at 9:40 p.m. and got up at 7:00 a.m. How long did he sleep for?

Peter completed a bike ride 3 hours and 26 minutes after he started. He started the bike ride at 8:15 a.m. At what time did he finish?

On Saturday morning Peter began cutting the grass at 9:35 a.m. He finished at 10:43 a.m. How long did it take Peter to cut the grass?
When Lisa got home from school she did violin practice for 30 minutes. Then she read for 25 minutes. She finished reading at 4:45 p.m. At what time did Lisa get home from school?

After Ben had been at the park for 45 minutes he noticed that the time was 2:30 p.m. At what time did Ben arrive at the park?

Tess went to art class at 11:15 a.m. She painted for 25 minutes. She spent 30 minutes drawing with crayons. Then she ate lunch. At what time did Tess eat lunch?

When Lisa got home from school she did violin practice for 30 minutes. Then she read for 25 minutes. She finished reading at 4:45 p.m. At what time did Lisa get home from school?

Jack got on the train at 2:25 p.m. The train trip took 25 minutes. Next, Jack walked for 10 minutes to get home. At what time did Jack arrive home?
As soon as Jacob got home from school he worked on his math project for 50 minutes. Then he studied for a test for 30 minutes. He finished at 5:45 p.m. At what time did Jacob get home from school?

At art class Beth spent 45 minutes painting and 25 minutes drawing. She finished her art class at 6:30 p.m. At what time did Beth begin her art class?

As soon as Jacob got home from school he worked on his math project for 50 minutes. Then he studied for a test for 30 minutes. He finished at 5:45 p.m. At what time did Jacob get home from school?

Katie played her flute for 45 minutes, then ate a snack for 15 minutes. Next, she did homework for 30 minutes and finished at 6:00 p.m. At what time did Katie begin playing her flute?