

WORK PROBLEMS

1. A man can paint a house in 8 days that his helper can paint in 12 days. If they worked together, how long would it take them to paint the house?

2. A painter requires 10 hours to paint 3 rooms. His helper can do the same job in 15 hours. How long would it take them if they worked together?

2a. A painter requires 10 hours to paint 3 rooms. His helper can do the same job in 15 hours. **How long would it take them if they worked together if the painter started at 10am and his helper joined him at noon?**

3. One pipe can fill a tank in 18 minutes, a second in 30 minutes, and a third in 45 minutes. If all three pipes were opened at the same time, how long would it take to fill the tank?

4. A crew of men can lay a certain amount of pipe in 15 days. With the help of a second crew, the pipe can be laid in 6 days. How long would it take the second crew, working alone, to lay the pipe?
5. Pipe A can fill a tank in 40 minutes. Pipe B can fill the tank in 60 minutes. Pipe A is opened and after ten minutes pipe B is opened. How long does it take them to complete filling the tank?