

Work Problems

1. If Mr. Shahom can paint a wall of a garage in 30 minutes, how much of the wall can he paint in:
 - a. 1 minute?
 - b. x minutes?
2. Mr. Shahom can paint a wall of a garage in 30 minutes. Bryan, who is very handy, can paint the wall of the garage in 15 minutes. If Bryan and Mr. Shahom work together, how long would it take the two of them to paint the wall?
3. Victoria can mow a law in 20 minutes and Hasan can mow the same lawn in 30 minutes. If they work together, how long will it take them to mow the lawn?
4. If Ashley and Betty work together, they can paint a fence in 4 hours. If they work alone, Ashley needs 6 hours more than Betty does to paint the fence. How many hours would each working alone need to complete the job?
5. It takes Alan 3 times as long to paint a shed as it takes Valerie to paint the same shed. If they work together, they can paint the shed in 3 hours. How long will it take each, working alone, to paint the shed?
6. Mr. Jones, a farmer working together with his daughter Sydney, takes 3 hours to plow a field. Working alone, Mr. Jones can plow the field in 4 hours. How long would it take Sydney working alone to plow the field?
7. Fred can mow a lawn in 20 minutes and Cary can mow the same lawn in 30 minutes. They mow the lawn together for 10 minutes after which Fred leaves the job. How much longer will it take Cary to finish the job?