

## 24: How to calculate time taken to do a job by different numbers of people



### Scenario Questions:

1. If 5 people can complete a job in 10 hours, how long would it take for 8 people to complete the same job?
2. If 12 people can build a house in 6 weeks, how long would it take for 6 people to build the same house?
3. If 3 workers can paint a room in 4 hours, how long would it take for 6 workers to paint the same room?
4. If 8 workers can harvest a field in 5 days, how long would it take for 12 workers to harvest the same field?
5. If 10 students can clean a classroom in 2 hours, how long would it take for 5 students to clean the same classroom?

## 24: How to calculate time taken to do a job by different numbers of people



### Scenario Questions:

6. If 4 chefs can prepare a meal in 1 hour, how long would it take for 6 chefs to prepare the same meal?

7. If 15 workers can complete a project in 20 days, how long would it take for 10 workers to complete the same project?

8. If 6 gardeners can mow a lawn in 3 hours, how long would it take for 9 gardeners to mow the same lawn?

9. If 20 workers can assemble a product in 8 hours, how long would it take for 5 workers to assemble the same product?

10. If 7 technicians can fix a computer in 2 days, how long would it take for 3 technicians to fix the same computer?

# 24: How to calculate time taken to do a job by different numbers of people



## Scenario Questions: **Answers**

1. If 5 people can complete a job in 10 hours, how long would it take for 8 people to complete the same job?

**1. 6 hours 15 min (6.25hrs)**

2. If 12 people can build a house in 6 weeks, how long would it take for 6 people to build the same house?

**2. 12 weeks**

3. If 3 workers can paint a room in 4 hours, how long would it take for 6 workers to paint the same room?

**3. 2 hours**

4. If 8 workers can harvest a field in 5 days, how long would it take for 12 workers to harvest the same field?

**4. 3.33 days (approximately)**

5. If 10 students can clean a classroom in 2 hours, how long would it take for 5 students to clean the same classroom?

**5. 4 hours**

6. If 4 chefs can prepare a meal in 1 hour, how long would it take for 6 chefs to prepare the same meal?

**6. 40 minutes (0.67hrs)**

7. If 15 workers can complete a project in 20 days, how long would it take for 10 workers to complete the same project?

**7. 30 days**

8. If 6 gardeners can mow a lawn in 3 hours, how long would it take for 9 gardeners to mow the same lawn?

**8. 2 hours**

9. If 20 workers can assemble a product in 8 hours, how long would it take for 5 workers to assemble the same product?

**9. 32 hours**

10. If 7 technicians can fix a computer in 2 days, how long would it take for 3 technicians to fix the same computer?

**10. 4.67 days (approximately)**