

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



Practice Questions:

1. If 3 people can complete a job in 6 hours, how long would it take for 8 people to complete the same job?

2. If 2 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 5 hours, how long would it take for 6 workers to paint the same room?

4. If 8 workers can harvest a field in 10 days, how long would it take for 5 workers to harvest the same field?

5. If 9 students can clean a classroom in 2 hours, how long would it take for 6 students to clean the same classroom?

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Practice Questions:

6. If 15 chefs can prepare a meal in 1 hour, how long would it take for 3 chefs to prepare the same meal?

7. If 10 workers can complete a project in 20 days, how long would it take for 2 workers to complete the same project?

8. If 4 gardeners can mow a lawn in 3 hours, how long would it take for 2 gardeners to mow the same lawn?

9. If 20 workers can assemble a product in 3 hours, how long would it take for 5 workers to assemble the same product?

10. If 9 technicians can fix a computer in 2 days, how long would it take for 3 technicians to fix the same computer?

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Practice Questions: **Answers**

1. If 3 people can complete a job in 6 hours, how long would it take for 8 people to complete the same job?

1. 2 hours 15 minutes (2.25hrs)

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

2. 2 weeks

3. If 3 workers can paint a room in 5 hours, how long would it take for 6 workers to paint the same room?

3. 2 hours 30 minutes (2.5hrs)

4. If 8 workers can harvest a field in 10 days, how long would it take for 5 workers to harvest the same field?

4. 16 days

5. If 9 students can clean a classroom in 2 hours, how long would it take for 6 students to clean the same classroom?

5. 3 hours

6. If 15 chefs can prepare a meal in 1 hour, how long would it take for 3 chefs to prepare the same meal?

6. 5 hours

7. If 10 workers can complete a project in 20 days, how long would it take for 2 workers to complete the same project?

7. 100 days

8. If 4 gardeners can mow a lawn in 3 hours, how long would it take for 2 gardeners to mow the same lawn?

8. 6 hours

9. If 20 workers can assemble a product in 3 hours, how long would it take for 5 workers to assemble the same product?

9. 12 hours

10. If 9 technicians can fix a computer in 2 days, how long would it take for 3 technicians to fix the same computer?

10. 6 days