

Proportion

1. David decorates cup cakes. He can decorate 14 cakes in 15 minutes. How many cakes can he decorate in 2 hours?



2. Allan fits tyres on cars. He can fit 6 tyres in 40 minutes. How many tyres can Allan fit in 3 hours?



3. Enrico works in a restaurant as a pizza chef. He is able to make 12 pizzas in 45 minutes.

How many pizzas can Enrico make in 2 hours if he is able to maintain this rate?



4. Michael works in a ceramics factory. He paints designs on plates. Michael takes $1\frac{1}{2}$ hours to paint 12 plates.

How many plates can he paint in a day if he works for 8 hours?



5. A photocopier can copy 60 sheets in 50 seconds. How many sheets can be copied in $2\frac{1}{2}$ minutes?



6. Mr. Williams can mark 12 examination papers in 40 minutes. How many papers can he mark in $1\frac{1}{2}$ hours?

7. Jessica can run 300 metres in 36 seconds. If she can maintain her speed, how far can she run in 2 minutes?



8. Sidra works in an art shop framing pictures. She can frame 6 pictures in $1\frac{1}{2}$ hours. How many pictures can Sidra frame in 4 hours?

9. A 3D printer produces violin bodies at a rate of 12 bodies every 4 hours. How many violin bodies can the printer produce in 10 hours?



10. Brian is a blacksmith. He can make 9 horseshoes in 45 minutes. How many horseshoes can Brian make in 5 hours?



11. Chris is a cyclist. He can cycle 32 miles in 2 hours. How long will it take him to cycle 80 miles?



12. Michael can type at a rate of 30 words every 45 seconds. How long will it take Michael to type 80 words at this rate?



13. Neil is a key cutter. He can cut 16 keys in 12 minutes. How long will it take him to cut 40 keys?



14. Debbie is a bricklayer. She can lay bricks at a rate of 10 bricks in $2\frac{1}{2}$ minutes. How long will it take her to lay 100 bricks?

15. Yuenting works in a factory assembling computers. She can assemble 6 computers in 90 minutes. How long will it take her to assemble 14 computers?

16. Buckets of water are to be filled from a large tank. 15 buckets can be filled in a time of 9 minutes. How long will it take to fill 35 buckets?

17. Children in a school are to be vaccinated. The nurse administering the vaccine can vaccinate 18 children in 40 minutes. How long will it take to vaccinate 45 children?



18. Stephen is planting saplings. He can plant 12 saplings in 20 minutes. How long will it take him to plant 42 saplings?

