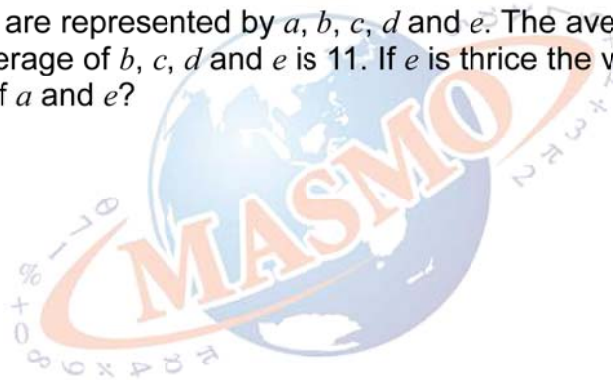


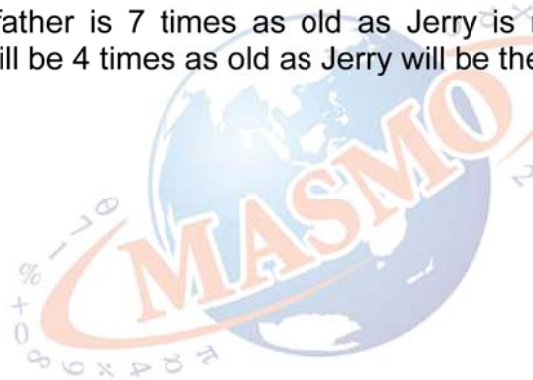


- 1 Five numbers are represented by a, b, c, d and e . The average of a, b, c and d is 8. The average of b, c, d and e is 11. If e is thrice the value of a , what is the average of a and e ?



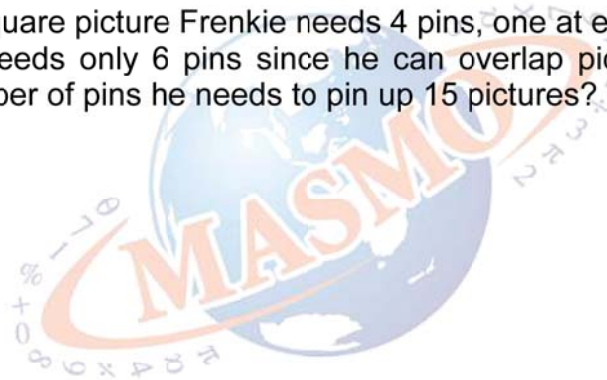


- 2** Jerry's grandfather is 7 times as old as Jerry is now. In 9 years, Jerry's grandfather will be 4 times as old as Jerry will be then. How old is Jerry now, in years?





- 3** To pin up a square picture Frenkie needs 4 pins, one at each corner. For two pictures he needs only 6 pins since he can overlap pictures. What is the smallest number of pins he needs to pin up 15 pictures?





- 4 Suppose the time is now 1400 on a digital clock. What time will it show 1100 hours from now?





- 5 A man rides uphill at 10 km/h, then downhill at 50 km/h. When he reaches horizontal road, he rides at 35 km/h. It is known that both uphill and downhill are 500m and the horizontal road is 700m. How much time does the man take during his journey?

