

Chpt: Algebra & Functions (Demonstrate an understanding that *rate* is a measure of one quantity per unit value of another quantity)

Solution:

9.00am to 6.00pm → 8 hours

Effective bread production by machines (after switching off an hour) in a day → 7 hours

7 hours = 7×60 minutes = 420 minutes

40 minutes → 1800 loaves of bread

1 minutes → $1800 \div 40 = 45$ loaves of bread

420 minutes → $420 \times 45 = 18900$ loaves of bread

The machines can produce 18900 loaves of bread in a day, given that the machines are switch off for an hour everyday.