

This book has permission to use the "N&K method of COLORS".

34) Question: A grocery superstore needs 20 hourly employees, 24 hours a day, 7 days a week to keep things humming along. If each employee can be given work in multiples of 15 minutes time slots, how many 15 minute time slots does the grocery superstore need to fill every week.?

For speed, while solving something similar, only THINK the words in blue; WRITE only the words in other COLORS.

Solution:

- Given
- 1) A grocery superstore needs 20 hourly employees, 24 hours a day, 7 days a week.
 - 2) Each employee can be given work in multiples of 15 minutes time slots.
 - 3) How many 15 minutes time slots does the grocery superstore need to fill every week.?

Road Map of Solution:

First Step: Find the total number of 15 minutes time slots per week, if it is for one employee
 i.e. 7 days/week × 24 hours/day × 4 fifteen minutes time slots/hour

Second Step: Multiply the number of time slots needed above for one employee times 20
 i.e. (7 days/week × 24 hours/day × 4 fifteen minutes time slots/hour) × 20

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 = (7 days/week × 24 hours/day × 4 fifteen minutes time slots/hour) × 20

$$= \left(\frac{7 \text{ days}}{\text{week}} \times \frac{24 \text{ hours}}{\text{day}} \times \frac{4 \text{ fifteen minutes time slots}}{\text{hour}} \right) \times 20$$

$$= \left(7 \times 24 \times 4 \right) \frac{\text{fifteen minutes time slots}}{\text{week}} \times 20$$

$$= \left(672 \right) \frac{\text{fifteen minutes time slots}}{\text{week}} \times 20$$

=13440	<u>fifteen minutes time slots</u> week	Answer.
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