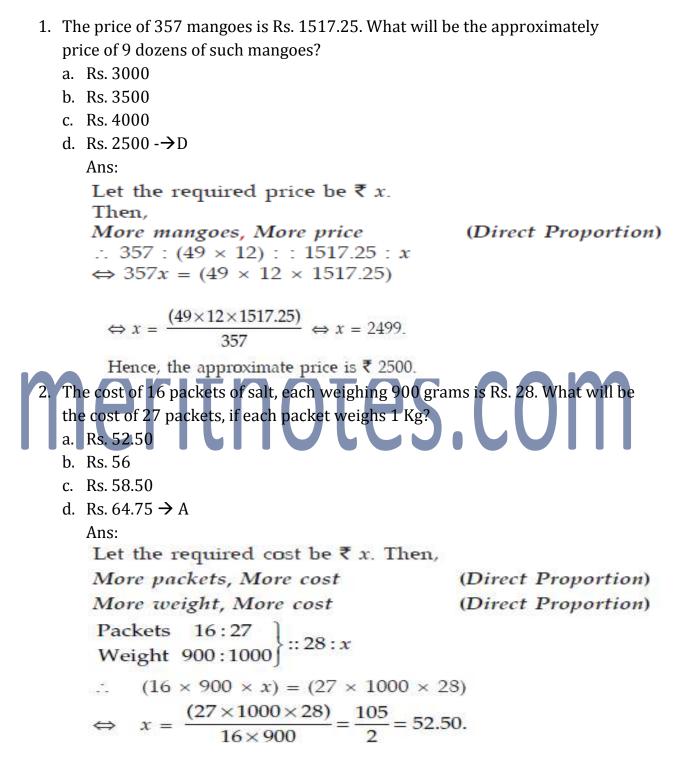
Chain Rule Problems with Solutions for Bank Exams Pdf



3. In a diary farm, 40 cows eat 40 bags of hush in 40 days. In how many days one cow will eat one bag of husk?

a. 1

b. 1/40 c. 40 d. $80 \rightarrow C$ Ans: Let the required number of days be x. Less cows, More days (Indirect Proportion) Less bags, Less days (Direct Proportion) Cows 1:40Bags 40:1 :: 40:x $\therefore 1 \times 40 \times x = 40 \times 1 \times 40 \Leftrightarrow x = 40.$ 4. If 8 men can reap 80 hectares in 24 days, then how many hectares can 36, men reap in 30 days? a. 350 b. 400 c. 425 d. 450 -→ D Ans: Pithonton com Let the required number of hectares be x. Then, More men, More hectares (Direct Proportion) More days, More hectares (Direct Proportion) Men 8:36Days 24:30 :: 80:x

5. If 18 pumps can raise 2170 tonnes of water in 10 days, working 7 hours a day; in how many days will 16 pumps raise 1736 tonnes of water, working 9 hours a day?

 $\therefore 8 \times 24 \times x = 36 \times 30 \times 80$

 $\Leftrightarrow x = \frac{(36 \times 30 \times 80)}{(8 \times 24)} \iff x = 450.$

- a. 6
- b. 7
- c. 8
- d. 9-→B

Ans:

Let the required number of days be x. Then, Less pumps, More days (Indirect Proportion) Less weight, Less days (Direct Proportion) More hours/day, Less days (Indirect Proportion) Pumps 16:18 Weight 2170:1736 Hours/Day 9:7 \therefore (16 × 2170 × 9 × x) = (18 × 1736 × 7 × 10) \Leftrightarrow $x = \frac{18 \times 1736 \times 7 \times 10}{16 \times 2170 \times 9} = 7.$

meritnotes.com