GATE

Crash Course 2025

Aptitude

Time and Work

Q1 If 72 men can build a wall 280m. long in 21 days, how many men will take 18 days to build a similar type of wall of length 100m?

(A) 30 (B) 10
(C) 18 (D) 28

Q2 A takes twice as much time as B or thrice as much time as C to finish a piece of work. Working together, they can finish the work in 2 days. B can do the work alone in

(A) 12 days (B) 4 days
(C) 8 days (D) 6 days

Q3 A contractor undertook to finish a certain work in 124 days and employed 120 men on it. After 64 days, he found that he had already done 2/3rd of the work. How many men he can discharge now so that the work may finish in time.

(A) 24 (B) 56
(C) 64 (D) 80

Q4 A can do 3/4th of a work in 12 days. In how many days can he finish 1/8th of work?

(A) 1 day (B) 2 days
(C) 4 days (D) 8 days

Q5 Peter does 75% of work in 12 days. He then calls Charlie for help and they both complete the rest of the work in 3 days. How many days would Charlie have taken to complete the work alone?

(A) 18 days (B) 24 days
(C) 72 days (D) 48 days

Q6 If A is twice as good workman as B and therefore is able to finish a job in 40 days less than B, how many days will it take to finish the same job if A and B work together?

(A) $28\frac{1}{2}$ days (B) 40 days
(C) $26\frac{2}{3}$ days (D) 22 days

Q7 Worker A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for ₹4000. With the help of worker C, they completed the work in 3 days. How much money will be given to C?

(A) ₹ 500 (B) ₹ 350
(C) ₹ 400 (D) ₹ 600

Q8 A and B can do a job together in 7 days. A is $1\frac{3}{4}$ times as efficient as B. How long does it take for A to do it alone?

(A) $9\frac{1}{3}$ days (B) 11 days
(C) $15\frac{1}{2}$ days (D) $17\frac{1}{3}$

Q9 A and B can do a work in 10 and 12 days. They start the work and B leaves after three days. If daily wages are Rs. 20 for each how much does A get?

(A) 150 (B) 90
(C) 100 (D) 130

Q10 12 men can do a work in 15 days working 8 hours a day. In how many days can 9 men do the same work, working 10 hours a day?

(A) 10 (B) 16
(C) 18 (D) 24

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Answer Key

Q1	(A)	Q6	(C)
Q2	(D)	Q7	(A)
Q3	(B)	Q8	(B)
Q4	(B)	Q9	(A)
Q5	(D)	Q10	(B)

Hints & Solutions

Q1 Text Solution:
(A)

Q2 Text Solution:
(D)

Q3 Text Solution:
(B)

Q4 Text Solution:
(B)

Q5 Text Solution:
(D)

Q6 Text Solution:
(C)

Q7 Text Solution:
(A)

Q8 Text Solution:
(B)

Q9 Text Solution:
(A)

Q10 Text Solution:
(B)