ST. LAWRENCE HIGH SCHOOL
A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Arithmetic   **Class: 7**   **Date: 27. 04.20**
Duration: 40 min   **Worksheet 13**   **Full Marks: 15**
UNITARY METHOD (PAMPHLET)

Choose the Correct options:

1. 20 men can reap a field in 20 days. When should 5 men leave the work, if the whole field is to be reaped in 24 days after they leave the work?
(a) 2 days
(b) 4 days
(c) 3 days
(d) 5 days

2. A rope makes 125 rounds of a cylinder with base radius 15 cm. How many times can it go round a cylinder with base radius 25 cm?
(a) 100
(b) 75
(c) 80
(d) 65

3. 6 men finish one-fourth work in 2 days. The number of additional men required for finishing the same work in 2 days is.
(a) 18 men
(b) 24 men
(c) 28 men
(d) 14 men

4. A certain number of men complete a piece of work in 45 days. If there were 5 men more, the work could be finished in 9 days less. How many men were originally there?
(a) 30
(b) 15
(c) 25
(d) 20

5. 10 workers can make 15 boxes in 6 days, how many boxes will 12 workers make in 3 days.
(a) 10
(b) 9
(c) 6
(d) 8

6. If 25 binders bind 25 books in 25 days. How many binders can bind 10 books in 10 days?
(a) 25
(b) 10
(c) 15
(d) 20

7. If 8 monkeys eat 8 bananas in 8 min. How many monkeys will eat 12 bananas in 12 min?
(a) 6
(b) 8
(c) 12
(d) 10

8. If 15 men build a wall 35 m high 14 days, in how many days will 30 men build a similar wall 20 m high?
(a) 5 days
(b) 4 days

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(c) 7 days

(d) 6 days

9. If 36 persons consume 180 kg of rice in 12 days, in how many days will 42 persons consume 105 kg of rice?

(a) 6 days

(b) 8 days

(c) 4 days

(d) 9 days

10. If 8 men working 9 h a day can reap a field in 24 days, in how many days will 12 men reap the field, working 6 h a day?

(a) 24 days

(b) 20 days

(c) 28 days

(d) 16 days

11. If 10 men working 8 h a day can do a piece of work in 12 days, then how many men working 10 h a day can do the work in 16 days?

(a) 10

(b) 5

(c) 6

(d) 8

12. If 12 machines working 7 h a day can finish a work in 18 days, in how many days will 16 machines working 9 h a day finish twice the work?

(a) 21 days

(b) 18 days

(c) 24 days

(d) 16 days

13. If, 5 men take 21 days of 8 h each, to do a piece of work. How many days of 6 h each would 14 women take, if 2 women do as much work as a man?

(a) 20 days

(b) 16 days

(c) 18 days

(d) 22 days

14. The work done by $(x + 2)$ men in $(x - 3)$ days and work done by 'x' men in $(x - 2)$ days is equal. Find x.

(a) 6

(b) 4

(c) 8

(d) 9

15. A garrison of 400 men has provision for 30 days. However a reinforcement of 100 men arrived. The food will now last for.

(a) 27 days

(b) 21 days

(c) 24 days

(d) 28 days

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