



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



Sub: Arithmetic
Duration: 40 Min

Class: 7
Worksheet Solution 48
UNITARY METHOD

Date: 03.07.20
Full Marks: 15

Choose the correct options:

1. Cost of 24 pens is Rs 96. Find the cost of 16 such pens.

- (a) Rs 66
- (b) Rs 64**
- (c) Rs 62
- (d) Rs 68

2. Cost of 8 dozen bananas is Rs 180. How many bananas can be purchased for Rs 30?

- (a) 16 bananas**
- (b) 24 bananas
- (c) 14 bananas
- (d) 22 bananas

3. A man pays Rs 13000 as rent for 4 months. How much does he pay for the whole year, if rent per month remains the same?

- (a) Rs 48000
- (b) Rs 39000**
- (c) Rs 46000
- (d) Rs 47000

4. 23 envelopes cost Rs 57.50. How many envelopes can be bought for Rs 127.50.

- (a) 55
- (b) 56
- (c) 51**
- (d) 53

5. 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

6. A rope makes 125 rounds of a cylinder with base radius 15 cm. How many time can it go round a cylinder with base radius 25 cm? (Length of the rope = $2 \times 3.14 \times r \times \text{no. of turns}$)

- (a) 100
- (b) 75**
- (c) 80
- (d) 65

7. 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

8. 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**

9. 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

10. 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

11. 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

12. 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**
- (c) 7 days
- (d) 6 days

13. 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

14. 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

15. 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