



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



CLASS 8

SUBJECT :Arithmetic

Work sheet 9 answer key

Marks:15

PERCENTAGE(continued)

Date:16.4.2020

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**Answer all the following questions(1×15=15)**

1.The ratio 2 : 5 converted to percentage is... ..

- (a)40%
- (b)30%
- (c)60%
- (d)20%

Solution: a)

2.  $25/4$  % expressed as a fraction is

- (a)1/16
- (b)1/8
- (c)1/4
- (d)1/10

Solution: a)

3.  $27/16$

is equivalent to

- (a) 168.75%
- (b) 169.75%
- (c) 170.75%
- (d) 167.75%

Solution:

$$1 \frac{11}{16} = \frac{27}{16} \times 100 = \frac{675}{4} = 168.75 \quad (a)$$

4. 21 : 80 is equivalent to

- (a) 26%
- (b) 26.50%
- (c) 26.75%
- (d) 26.25%

Solution:

$$21 : 80 = \frac{21}{80} \times 100 = \frac{105}{4} = 26.25\% \text{ (d)}$$

5. If 5% of a number is 42, then the number is

- (a) 800
- (b) 820
- (c) 840
- (d) 860

Solution:

$$5\% \text{ a number} = 42$$

$$\therefore \text{Number} = \frac{42}{5\%} = \frac{42 \times 100}{5} = 840 \text{ (c)}$$

6. What % of 150 is 30?

- (a) 50%
- (b) 10%
- (c) 15%
- (d) 20%

Solution:

$$\text{Let } x\% \text{ of } 150 = 30$$

$$x\% = \frac{30}{150} = \frac{30 \times 100}{150} = 20\% \quad \text{(b)}$$

7. A number increased by 25% gives 155. The number is

- (a) 132
- (b) 128
- (c) 124
- (d) 120

Solution:

$$\text{Increase in a number} = 25\%$$

$$\text{Let number be } = x, \text{ then}$$

$$x \times \frac{125}{100} = 155 \Rightarrow x = 155 \times \frac{100}{125} = 124$$

$$\therefore \text{Number} = 124 \text{ (c)}$$

8. The percentage is the numerator of a fraction with denominator .....

- (a) 100
- (b) 50
- (c) 1000
- (d) 1

Solution: a)

9. 0.018 is equivalent to .....%.

- (a) 1.8
- (b) 1.4
- (c) 2
- (d) 3

Solution: a)

10. 15% of ..... is 135

- (a) 900
- (b) 800
- (c) 600
- (d) 9

Solution: a)

11. 50 paise = ..... % of 8 rupees.

- (a) 20%
- (b) 25%
- (c) 10%
- (d) 30%

Solution: b)

12. The mixed fraction  $7/4$  converted to percentage form is

- (a) 120%
- (b) 165%
- (c) 125%
- (d) 175%

Solution: d)

13. 135% converted to decimal is .....

- (a) 1.2
- (b) 1.35
- (c) 1.5
- (d) 13.5

Solution: b)

14. 20% more than 30 is

- (a) 35
- (b) 45
- (c) 36
- (d) 46

Solution: c)

15. If Feroz obtains 336 marks out of 600 marks, then the percentage of marks obtained by him is

- (a) 33.6%
- (b) 23.6%
- (c) 43%
- (d) 53%

Solution: a)

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