

Worksheet 3

On application of percentage

GUESSTIMATES

Example 1 48% of Rs 10829 would be

 Rs 597.92

 Rs 5197.92

 Rs 5197.29

Now 50% of Rs 10000 = Rs 5000, so the answer is either Rs 5197.92 or Rs 5197.29.

As the product of the units places = $8 \times 9 = 72$, the answer must be Rs.5197.92

Example 2 After 5 years, Rs 4,13,000 @ 9.5% p.a would amount to

 Rs 216825

 Rs 906175

 Rs 609175

The answer cannot be Rs 216825 as it is less than the principal.

10% of Rs 4 lakhs = Rs 40000, and $40000 \times 5 = 2$ lakhs so the answer has to be close to $4 + 2 = 6$ lakhs or the answer must be Rs 609175

1. 63% of 58 kg is

 63 kg 540 g

 Rs 36 kg 007 g

 36 kg 540 g

2. 85% of 820 students are

 967 students

 697 students

 123 students

3. If profit of 21.4% is made on a CP of Rs 9905, then the SP is

 Rs 21024.67

 Rs 7785.33

 Rs 12024.67

4. If loss of 18% is suffered on a CP of Rs 22000, then the SP is

 Rs 18040

 Rs 14080

 Rs 25960

5. If a shirt, listed at Rs 680, is sold at a discount of 11%, then the SP is

 Rs 405.20

 Rs 605.20

 Rs 805.20

6. If on selling a TV at Rs 8330, the shopkeeper suffers a 15% loss, then its CP was

 Rs 9800

 Rs 8900

 Rs 9579.50

7. If an 10% profit is made on the sale of an apartment at 11 lakhs, it was bought at

 Rs 11 lakhs

 Rs 10 lakhs

 Rs 12 lakhs

8. At 10% p.annum, in 1 year a fixed deposit of Rs 458000 would become

 Rs 453420

 Rs 468000

 Rs 462580

9. At 12% p.a in 5 years Rs 100000 would grow to

 Rs 200000

 Rs 160000

 Rs 150000

10. The interest, compounded annually @ 10% p.a on Rs 100000 over 3 years is

 Rs 30000

 Rs 26900

 Rs 33100