WORKSHEET

REVISION WS-8

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1. The compound interest on a sum of money for 2 years is ₹410 and the simple interest is ₹400. The rate of interest per annum is:

A. 5%   B. 6%   C. 8%   D. 10%

2. A sum of money becomes ₹13,380 after 3 years and ₹20,070 after 6 years on compound interest. The sum is:

A. ₹8,800   B. ₹8,900   C. ₹8,920   D. ₹9,000

3. The effective annual rate of interest corresponding to a nominal rate of 12% per annum compounded quarterly is:

A. 12.25%   B. 12.50%   C. 12.55%   D. 12.75

4. A batch of bottles were packed in 25 boxes with 12 bottles in each box. If the same batch is packed using 20 bottles in each box, how many boxes would be filled?

A. 13 boxes   B. 14 boxes   C. 15 boxes   D. 16 boxes

5. If 15 men can build a wall in 48 hours, how many men are required to do the same job in 30 hours?

A. 20   B. 22   C. 24   D. 26 boxes

6. A school has 8 periods a day, each of 45 minutes duration. How long would each period be if the school has 9 periods a day, assuming the school day is of the same length?

A. 35 minutes   B. 38 minutes   C. 40 minutes   D. 42 minutes

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7. Solve for b: 2.4b – 5.8 = 1.6b + 3.8

A. 11   B. 12   C. 13   D. 14

8. Solve : $\dfrac{(q + 11)}{5} = \dfrac{(3q - 2)}{4}$

A. $\dfrac{54}{11}$ B. $\dfrac{11}{54}$ C. $-\dfrac{54}{11}$ D. $-\dfrac{11}{54}$

9. Solve for r: $\dfrac{(r + 1)}{2} = 9$

A. 17   B. –17   C. $\dfrac{1}{17}$ D. $-\dfrac{1}{17}$

10. Solve: 8 – 5(2x – 3) = 3(4 – x)

A. $-\dfrac{11}{7}$ B. $-\dfrac{7}{11}$ C. $\dfrac{7}{11}$ D. $\dfrac{11}{7}$

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