

CLASS TEST

DIRECT AND INVERSE PROPORTION

File No. _____

1. A garrison of 500 persons had provisions for 27 days. After 3 days a reinforcement of 300 persons arrived. For how many more days will the remaining food last now? **1**
 - a) 12 days
 - b) 14 days
 - c) 16 days
 - d) 15 days
2. 72 books are packed in 4 cartons of the same size. How many cartons are required for 360 books? **1**
 - a) 22
 - b) 18
 - c) 20
 - d) None of these
3. The price of 357 mangoes is Rs.1517.25. What will be the approximate price of 49 dozens of such mangoes? **1**
 - a) Rs.3000
 - b) Rs.3500
 - c) Rs.4000
 - d) Rs.2500
4. A journey by bus takes 45 minutes at 40 km/hour. How fast must a car go to undertake the same journey in 25 minutes? **1**
 - a) 36 km/h
 - b) 48 km/h
 - c) 72 km/h
 - d) None of these

6. A garrison of 300 men had food for 20 days. However, 50 men leave. How long will the food last? **3**
7. A four days scout and guide camp were arranged by the school for class 8 students. The students were so excited to go for the camp. Based on this context, answer the following question: **5**

- i) The school arranged 6 buses to take 150 students to the camp. If 75 more students are joined, how many buses are required in all?

a) 3	b) 10	c) 9	d) 15
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- ii) In the camp, they assigned some jobs to the students. 45 persons complete a job in 20 minutes. How many minutes will 30 persons take to complete the same job?

a) 15	b) 30	c) 90	d) 45
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- iii) If 9 students can make a tent in $1\frac{1}{2}$ hours, how many students are required to make a tent in 45 minutes?

a) 18	b) 90	c) 5	d) 32
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- iv) The camp has enough food for 150 students for 6 days. How long will the food last if 50 students were shifted to another camp?

a) 10	b) 12	c) 3	d) 9
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- v) In the camp activities, there was a competition of writing words. Manvi can write 200 words in 30 minutes. How many words she will write in 12 minutes?

a) 360	b) 80	c) 240	d) 60
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