Choose correct answer(s) from the given choices

(1) 67 baskets of pears weigh 26.733 kilograms. What will be the weight of 30 baskets of pears?
   a. 11.97 kg
   b. 0.399 kg
   c. 23.94 kg
   d. None of these

(2) 18 guavas cost 79.20. How many guavas can Priyanka buy if she has 44?
   a. 5
   b. 10
   c. 8
   d. 13

(3) A car travels a distance of 2900 km when its tank is completely filled. If the capacity of the tank is 58 liters, how much distance will the car cover if its fuel tank has only 15 liters of fuel?
   a. 800 Km
   b. 766 Km
   c. 700 Km
   d. 750 Km

(4) Some workers are assigned to paint the wall of a stadium. If 8 workers can paint 668.8 m of the wall in an hour, then how many meters of the wall will 15 workers paint in an hour?
   a. 1250.6 m
   b. 1255.3 m
   c. 1256.1 m
   d. 1254 m

(5) 14 buses can carry 1078 passengers. How many passenger can be carried by 25 buses?
   a. 1925
   b. 350
   c. 1919
   d. 1848

Fill in the blanks

(6) The yearly rent of a house is 84000. If Iqbal wants to rent the house for only 9 months, the rent he pays for 9 months will be __________.

Answer the questions

(7) A group of workers is assigned to paint the fence of a museum. If 4 workers can paint 297.6 m of the fence in an hour, then how many meters of the fence will 7 workers paint in an hour?
(8) A Sweet Shop makes 3100 kg of sweets in the month of December. If they make the same quantity of kg of sweets every day, then how many kg of sweets can they make in a leap year?

(9) There are 506 books in 23 boxes. How many books are there in 42 boxes?

(10) If the cost of 23 kg of maize is 4140, what will be the cost of 92 kg of maize?
Solutions

(1) a. 11.97 kg

Step 1
Weight of 67 baskets of pears = 26.733 kg

Step 2
So, weight of 1 basket of pear = \( \frac{26.733}{67} \) = 0.399 kg

Step 3
Therefore, weight of 30 baskets of pears = 30 × 0.399 = **11.97 kg**

(2) b. 10

Step 1
Given, cost of 18 guavas = 79.20
So, cost of one guava = \( \frac{79.20}{18} \) = 4.4

Step 2
Thus, the number of guavas Priyanka can buy for 4.4 = 1
So, the number of guavas Priyanka can buy for 1 = \( \frac{1}{4.4} \)
Hence, the number of guavas Priyanka can buy for 44 = \( \frac{1}{4.4} \) × 44 = 10

Step 3
We see that Priyanka can buy **10** guavas for 44.
(3)  d. 750 Km

<table>
<thead>
<tr>
<th>Step 1</th>
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<tbody>
<tr>
<td>The distance covered by the car when its fuel tank is completely filled = 2900 km</td>
</tr>
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<table>
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<tr>
<th>Step 2</th>
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<tbody>
<tr>
<td>The capacity of the tank is 58 liters. This means, the distance covered by the car when the fuel tank has 58 liters of fuel = 2900 km</td>
</tr>
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<table>
<thead>
<tr>
<th>Step 3</th>
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<tbody>
<tr>
<td>This means, the distance traveled by the car on 1 liter of fuel = ( \frac{2900}{58} ) km = 50 km</td>
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<table>
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<tr>
<th>Step 4</th>
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<tbody>
<tr>
<td>The distance covered by the car on 15 liters will be 15 times 50 km.</td>
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<tr>
<th>Step 5</th>
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<tbody>
<tr>
<td>Therefore, the distance covered by the car when there is 15 liters of fuel in the tank is 15 \times 50 km = 750 km</td>
</tr>
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</table>

(4)  d. 1254 m

<table>
<thead>
<tr>
<th>Step 1</th>
</tr>
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<tbody>
<tr>
<td>The length of the wall that 8 workers can paint in 1 hour = 668.8 m</td>
</tr>
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</table>

So, the length of the wall that 1 worker can paint in one hour = \( \frac{668.8}{8} \) = 83.6 m

<table>
<thead>
<tr>
<th>Step 2</th>
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<tbody>
<tr>
<td>Therefore, the length of the wall that 15 workers can paint in one hour = 83.6 \times 15 = 1254 m.</td>
</tr>
</tbody>
</table>
(5) a. 1925

Step 1
In order to calculate the number of passengers that can be carried by a bus, we must divide 1078 by 14.

Step 2
1078 ÷ 14 = 77. So, a bus can carry 77 passengers.

Step 3
Now, to find the number of passengers that can be carried by 25 buses, we will need to find the product of 77 and 25.
77 × 25 = 1925.

Step 4
Hence, 25 buses can carry 1925 passengers.

(6) 63000

Step 1
Firstly we will calculate the rent of the house for one month. In order to calculate the rent of the house for one month, we must divide 84000 by 12.

Step 2
\[
\frac{84000}{12} = 7000. \text{ So, the rent for one month will be } 7000.
\]

Step 3
Now, to find the rent for 9 months, we will multiply the rent for one month by 9.
7000 × 9 = 63000.

Step 4
Hence, he pays 63000 for 9 months.
(7) 520.8 m

Step 1
The length of the fence that 4 workers can paint in 1 hour = 297.6 m
So, the length of the fence that 1 worker can paint in one hour = \( \frac{297.6}{4} \) = 74.4 m

Step 2
Therefore, the length of the fence that 7 workers can paint in one hour = 74.4 × 7 = 520.8 m.

(8) 36600

Step 1
Sweets made in the month of December (31 days) = 3100 kg
So, Sweets made in one day = \( \frac{3100}{31} \) = 100 kg

Step 2
Hence, Sweets made in a leap year(366 days) = 100 × 366 = 36600 kg

Step 3
Therefore, 36600 kg of sweets can be made by the sweet shop in a leap year.

(9) 924

Step 1
According to the question, 23 boxes contain 506 books.

Step 2
This means, 1 box contains \( \frac{506}{23} \) books = 22 books

Step 3
Therefore, 42 boxes will contain 42 × 22 = 924 books.
Step 1
According to the question, 23 kg of maize costs 4140. To find the cost of 1 kg of maize, we will divide 4140 by 23.

Step 2
So, $4140 \div 23 = 180$, which means 1 kg of maize costs 180.

Step 3
Now the cost of 92 kg of maize will be equal to the product of the cost of 1 kg of maize and 92.

Step 4
We have $92 \times 180 = 16560$. Hence, the cost of 92 kg of maize is 16560.