Choose correct answer(s) from the given choices

(1) Basim earns \( AED18370.32 \) in 1 year. How much money did he earn in 1 month?
   a. \( AED1530.86 \)  
   b. \( AED1413.1 \)  
   c. \( AED1837.03 \)  
   d. \( AED1670.03 \)

(2) Identify the pair of like decimals.
   a. 1.38 and 87.931  
   b. 8.55 and 81.80  
   c. 824.5 and 217.34  
   d. 683.4 and 75.831

(3) Convert the following into liters.
   \( 466 l \ 371 ml \)
   a. \( 466.0371 l \)  
   b. \( 466.371 l \)  
   c. \( 469.71 l \)  
   d. \( 503.1 l \)

(4) A car travels 982.65 \( km \) in 15 hours. How much distance did it travel in 1 hour?
   a. 83.24 \( km \)  
   b. 65.51 \( km \)  
   c. 60.38 \( km \)  
   d. 47.6 \( km \)

Fill in the blanks

(5) A weir, 8 inches deep, discharges 4614.4 gallons of water per minute. The quantity of water discharged from the weir in 2 hours is ________ gallons.

(6) A jar contains 1.72 liters of milk. The number of jars required to contain 29.24 liters of milk are ________.

Answer the questions

(7) Order the following decimals from greatest to least:
   383.68, 158.51, 941.4, 592.8, 499.97
(8) Write the decimal number 7734.5677 in words.

(9) 17 people went on trip which cost them AED52319.88. If each person shares the cost equally, how much did 10 persons pay?

(10) Express 2 cl in milliliter.
Solutions

(1) a. \(AED1530.86\)

**Step 1**
The amount of money earned by Basim in 1 year = \(AED18370.32\)

**Step 2**
Number of months in 1 year = 12
The amount of money earned by Basim in 1 month = \(\frac{\text{The amount of money earned by Basim in 1 year}}{\text{Number of months in 1 year}}\)
= \(\frac{18370.32}{12}\)
= 1530.86

**Step 3**
Hence, the amount of money earned by Basim in 1 month is \(AED1530.86\).
(2)  b. 8.55 and 81.80

Step 1
**Remember:** Decimals that have the same number of decimal places are called like decimals.

To find the pair of like decimals, let us check all the options one by one.

Step 2
**Option a.** 1.38 and 87.931

1.38 has two decimal places while 87.931 has three decimal places.

Thus, 1.38 and 87.931 is not a pair of like decimals.

Step 3
**Option b.** 8.55 and 81.80

Both 8.55 and 81.80 have two decimal places.

Thus, 8.55 and 81.80 is a pair of like decimals.

Step 4
**Option c.** 824.5 and 217.34

824.5 has one decimal place while 217.34 has two decimal places.

Thus, 824.5 and 217.34 is not a pair of like decimals.

Step 5
**Option d.** 683.4 and 75.831

683.4 has one decimal place while 75.831 has three decimal places.

Thus, 683.4 and 75.831 is not a pair of like decimals.

Step 6
Therefore, **8.55 and 81.80** is the only pair of like decimals.
(3) \hspace{1cm} b. 466.371 \text{ l}

Step 1
We know that 1 \text{ l} = 1000 \text{ ml}.
So,

\[466 \text{ l} 371 \text{ ml} = 466 \text{ l} + 371 \text{ ml}
= 466 \text{ l} + \frac{371}{1000} \text{ l}
= 466 \text{ l} + 0.371 \text{ l}
= 466.371 \text{ l}\]

Step 2
Hence, 466 l 371 ml is equal to 466.371 l.

(4) \hspace{1cm} b. 65.51 \text{ km}

Step 1
The distance travelled by the car in 15 hours = 982.65 \text{ km}

Step 2
The distance travelled by the car in 1 hour = Distance travelled by the car in 15 hours \div Number of hours
= 982.65 \div 15
= 65.51

Step 3
Hence, the distance travelled by the car in 1 hour is 65.51 \text{ km}.  

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Step 1
The quantity of water discharged from the weir in 1 minute = 4614.4 gallons

Step 2
Number of minutes in 1 hour = 60 minutes
Number of minutes in 2 hours = 2 × 60 = 120 minutes

Step 3
The quantity of water discharged from the weir in 2 hours = 4614.4 × 120
= 553728

Step 4
Hence, 553728 gallons of water would be discharged in 2 hours.

Step 1
The quantity of milk contained by the jar = 1.72 liters

Step 2
The number of jars required to contain 29.24 liters of milk = 29.24 ÷ 1.72
= 17

Step 3
Hence, the number of jars required to contain 29.24 liters of milk are 17.
(7) 941.4 > 592.8 > 499.97 > 383.68 > 158.51

Step 1
Place all the numbers in a table with the decimal point in the same place for each number.

<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
<th>Tenths</th>
<th>Hundredths</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>8</td>
<td>3</td>
<td>.6</td>
<td>8</td>
</tr>
<tr>
<td>1</td>
<td>5</td>
<td>8</td>
<td>.5</td>
<td>1</td>
</tr>
<tr>
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<td>.4</td>
<td></td>
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<tr>
<td>5</td>
<td>9</td>
<td>2</td>
<td>.8</td>
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<tr>
<td>4</td>
<td>9</td>
<td>9</td>
<td>.9</td>
<td>7</td>
</tr>
</tbody>
</table>

Step 2
Now, start comparing the numbers by comparing the whole-number parts, if the whole-number parts are the same then compare the tenths digits and if the tenths digits are the same then compare the hundredths digits.

Step 3
Hence, the numbers in order from greatest to least are as follows:
941.4 > 592.8 > 499.97 > 383.68 > 158.51.

(8) Seven thousand seven hundred thirty-four point five six seven seven

Step 1
In the given decimal number, the number before the decimal will be read as a whole number and the digits of the number after the decimal point will be read individually.

Also, the decimal point is read as ‘Point’.

Step 2
Thus, the number 7734.5677 in words is written as Seven thousand seven hundred thirty-four point five six seven seven.
### Step 1
Total money paid by 17 people = \(AED52319.88\)
Total number of people = 17

The amount of money paid by each person = \(\frac{\text{Total money paid by 17 people}}{\text{Total number of people}}\)
= \(\frac{52319.88}{17}\)
= 3077.64

### Step 2
The amount of money paid by 10 persons = \(3077.64 \times 10\)
= 30776.4

### Step 3
Hence, the amount of money paid by 10 persons is \(AED30776.4\).

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### Step 1
We know, 1 \(ml\) = 10 \(cl\).

So,

\[1 \, cl = \frac{1}{10} \, ml\]

\[\implies 2 \, cl = \frac{2}{10} \, ml = 0.2 \, ml\]

### Step 2
Hence, \(2 \, cl = 0.2 \, ml\).