Reasoning: Paper 3

This paper contains 20 questions.
The total marks for this paper is 35
Time Allowed: 40 mins
Instructions

• Use **black** ink or ball-point pen.
• Answer **all** questions.
• Answer the questions in the spaces provided.
• Calculators must **not be used**.

Information

• The total mark for this paper is 35.
• The marks for each question are shown in the right hand column with each question.
• Some questions have a method box like the one below.
• Show your working out in the space around the ‘Answer’ box.

Advice

• Read each question carefully before you start to answer it.
• Keep an eye on the time.
• Try to answer every question.
• If you cannot do a question, go to the next one and come back to it later.
• Check your answers if you have time at the end.
• If you finish early, go back and check your work.
1 Write in the missing number.

\[
\begin{array}{c}
\hspace{1cm} -4 \hspace{1cm} \\
\hspace{1cm} +12 \\
\end{array}
\rightarrow
\begin{array}{c}
\hspace{1cm} \_\_ \_\_ \hspace{1cm} \\
\hspace{1cm} +12 \\
\end{array}
\rightarrow
\begin{array}{c}
\hspace{1cm} \_\_ \_\_ \hspace{1cm} \\
\hspace{1cm} +14 \\
\end{array}
\rightarrow
\begin{array}{c}
\hspace{1cm} 5 \hspace{1cm} \\
\hspace{1cm} +14 \\
\end{array}
\rightarrow
\begin{array}{c}
\hspace{1cm} 19 \hspace{1cm} \\
\hspace{1cm} +12 \\
\end{array}
\rightarrow
\begin{array}{c}
\hspace{1cm} 20 \hspace{1cm} \\
\end{array}
\]

2 Look at the number below.

\[
123,548.906
\]

What is the digit that is in the thousands place?

Answer

What is the digit that is in the thousandths place?

Answer

3 Look at the diagram below.
It is used to sort some numbers into categories.

<table>
<thead>
<tr>
<th>Multiples of 3</th>
<th>Not multiples of 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiples of 7</td>
<td></td>
</tr>
<tr>
<td>Not multiples of 7</td>
<td></td>
</tr>
</tbody>
</table>

Sort the following four numbers into the table above.

28 24 16 21