Worksheet 1

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<table>
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<tbody>
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<tbody>
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<td>÷ 45</td>
<td>× 5</td>
<td>× 10</td>
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Worksheet 2

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<td>+ 256</td>
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<td>12</td>
<td>144</td>
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<td>÷ 12</td>
<td>× 13</td>
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<tbody>
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<td>× 4</td>
<td>× 4</td>
<td>÷ 11</td>
<td>× 10</td>
</tr>
</tbody>
</table>
A number of bears search for berries in the woods. Each bear finds the same number of berries, which is the same as the number of bears. If they have thirty-six berries in total, how many bears are there?
Worksheet 4

\[
\begin{array}{cccccc}
28 & 36 & 8 & 36 & 9 \\
+ 8 & + 28 & \times 8 & + 45 & \times 9 \\
\end{array}
\]

\[
\begin{array}{cccccc}
101 & 12 & 1313 & 12 & 360 \\
\times 12 & \times 6 & \div 13 & \times 12 & \div 5 \\
\end{array}
\]

Try to guess the next term in this sequence:

\[2, 2, 4, 6, 10, 16, 26, \ldots\]
Worksheet 5

\[
\begin{array}{cccc}
6 & 13 & 7 & 14 \\
7 & 14 & 7 & 14 \\
+ 8 & 15 & \times 3 & \times 3 \\
\end{array}
\]

\[
\begin{array}{cccc}
14 & 15 & + 16 \\
\end{array}
\]

\[
\begin{array}{cccc}
12 & 96 & 12,012 & 9 \\
\times 7 & \div 12 & \div 12 & \times 3 \\
\end{array}
\]

\[
\begin{array}{cccc}
36 & \div 9 \\
\end{array}
\]

Bonus question 1: Measure the angles of the triangle below with your protractor. Do they add up to 180 degrees?

Bonus question 2: If Lala goes to bed at 8:45 pm, and wakes up at 7:15 am, how long has she slept?
Worksheet 6

\[ \begin{array}{cccccc}
72 & 180 & 360 & 360 & 360 \\
+ 108 & + 90 & - 90 & \times 2 & \div 6 \\
\end{array} \]

\[ \begin{array}{cccccc}
12 & 60 & 360, 360 & 9 & 108 \\
\times 10 & \div 12 & \div 360 & \times 4 & \div 2 \\
\end{array} \]

Bonus question 1: How big are the two angles \( A \) in the triangle below?

![Triangle with angle A](image)

Bonus question 2: If Lala goes to bed at 7:30 am, and wakes up at 9 hours and a half hours later, when does she wake up?
Worksheet 7

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<td></td>
<td>÷ 11</td>
</tr>
</tbody>
</table>

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<table>
<thead>
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<td></td>
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<td>÷ 7</td>
<td>× 7</td>
<td>× 9</td>
<td></td>
</tr>
</tbody>
</table>

Bonus question 1: If Lala starts napping at 5:37 pm, and sleeps for one and a half hours, when does she wake up?

Bonus question 2: Suppose you live on the upper side of the river below (river bank A). You like taking walks, and you’d like to figure out a route that takes you over each of the seven bridges exactly once, and which ends back at your house. Is such a route impossible?
Worksheet 8

If you get to a tough problem, like $128 \div 16$, it might help to think about some of the previous problems.

\[
\begin{array}{cccccc}
8 & 64 & 16 & 80 & 128 \\
+ 8 & + 64 & \times 4 & - 16 & \div 16 \\
\end{array}
\]

\[
\begin{array}{cccccc}
12 & 48 & 640 & 8 & 1000 \\
\times 8 & \div 8 & \div 8 & \times 8 & \times 80 \\
\end{array}
\]

Bonus question: For this problem you should get out two dice: a four-sided die (a tetrahedron), and a six-sided die (a cube).

(1) Write down the number of vertices (points), edges, and faces (sides) for both the tetrahedron and the cube.

(2) For both the tetrahedron and the cube, what is: (the number of vertices) - (the number of edges) + (the number of faces)?