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## answersheet Can You Spot the Mistake?

Directions: Read the problem carefully. Explain where the mistake occurred and correct it by solving the problem using an array if applicable.

| Multiplication Problem with Mistake | Explanation and Correction |
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| 1. An elementary soccer team has 6 players. If there are 8 teams in the championship, how many players are there in all? <br> Answer: There are 36 players in all. | The mistake happened when they only drew 6 circles. There should be 8 circles or rows of 6 . $\begin{aligned} & \text { P P P P P P } \\ & \text { P P P P P P } \\ & \text { P P P P P P } \\ & \text { P P P P P P } \\ & \text { P P P P P } \\ & \text { P P P P P P } \\ & \text { P P P P P P } \\ & \text { P P P P P } \end{aligned}$ <br> Answer: There are 48 players. |
| 2. Choose the number sentence that matches the array. $\begin{array}{lr} \times \times \times \times \times \times \times \times \times & 3 \times 8=24 \\ \times \times \times \times \times \times \times \times \times & 9 \times 3=27 \\ \times \times \times \times \times \times \times \times \times & \\ & 3 \times 10=30 \end{array}$ | The mistake probably occurred because they didn't count the Xs correctly. They got 8 instead of 9 . The array actually shows $9 \times 3=27$. |
| 3. Draw an array to solve this problem: <br> $12 \times 7=$ <br> 000000000000 <br> 000000000000 <br> 000000000000 <br> 000000000000 <br> 000000000000 <br> 000000000000 <br> Answer: $12 \times 6=72$ | The solution is incorrect because they drew 6 rows of 12 when it should be 7 rows of 12 . The answer should be $12 \times 7=84$. <br> 000000000000 <br> 000000000000 <br> 000000000000 <br> 000000000000 <br> 000000000000 <br> 000000000000 <br> 000000000000 |

