

# Classification of Word Problems

## Addition and Subtraction

<b>Join</b> Add to	<b>Result Unknown</b> Keisha had 5 m&m's. Tomas gave her 8 more m&m's. How many m&m's does Keisha have now? $5 + 8 = ?$	<b>Change Unknown</b> Keisha has 5 m&m's. Tomas gave her some more m&m's. Now she has 13 m&m's. How many did Tomas give her? $5 + ? = 13$	<b>Start Unknown</b> Keisha had some m&m's. Tomas gave her 5 more m&m's. Now she has 12 m&m's. How many m&m's did Keisha have to start with? $? + 5 = 12$
<b>Separate</b> Take From	<b>Result Unknown</b> Keisha had 13 m&m's. She gave 5 m&m's to Tomas. How many m&m's does she have left? $13 - 5 = ?$	<b>Change Unknown</b> Keisha had 13 m&m's. She gave some to Tomas. Now she has 5 m&m's left. How many m&m's did Keisha give to Tomas? $13 - ? = 5$	<b>Start Unknown</b> Keisha had some m&m's. She gave 5 to Tomas. Now she has 8 m&m's left. How many m&m's did Keisha have to start with? $? - 5 = 8$
<b>Part-Part-Whole</b> Put Together/Take Apart	<b>Whole Unknown</b> Keisha has 5 red m&m's and 8 green m&m's. How many m&m's does she have? $5 + 8 = ?$	<b>Both Parts Unknown</b> Keisha has 5 m&m's. How many m&m's can she put in her blue bowl and how many in her yellow bowl? $5 = 0 + 5$ or $5 = 5 + 0$ or $5 = 1 + 4$ or $5 = 4 + 1$ or $5 = 2 + 3$ or $5 = 3 + 2$	<b>Part Unknown</b> Keisha has 13 m&m's. 5 are red and the rest are green. How many green m&m's does Keisha have? $5 + ? = 13$ or $13 - 5 = ?$
<b>Compare</b>	<b>Difference Unknown</b> <small>You know how much each person has; you are looking for the difference.</small> ("How many more?" version) Keisha has 13 m&m's. Tomas has 5 m&m's. How many more m&m's does Keisha have than Tomas? $5 + ? = 13$ or $13 - 5 = ?$ ("How many fewer?" version) Keisha has 13 m&m's. Tomas has 5 m&m's. How many fewer m&m's does Tomas have than Keisha? $5 + ? = 13$ or $13 - 5 = ?$	<b>Compare Quantity Unknown</b> <small>You know the difference; you are looking for the bigger amount.</small> (Version with "more") Keisha has 8 more m&m's than Tomas. Tomas has 5 m&m's. How many m&m's does Keisha have? $5 + 8 = ?$ (Version with "fewer") Tomas has 8 fewer m&m's than Keisha. Tomas has 5 m&m's. How many m&m's does Keisha have? $5 + 8 = ?$ or $? - 8 = 5$	<b>Referent Unknown</b> <small>You know the difference; you are looking for the smaller amount.</small> (Version with "more") Keisha has 5 more m&m's than Tomas. Keisha has 13 m&m's. How many m&m's does Tomas have? $? + 5 = 13$ (Version with "fewer") Tomas has 5 fewer m&m's than Keisha. Keisha has 13 m&m's. How many m&m's does Tomas have? $13 - 5 = ?$

**Red = Kindergarten Mastery, 1<sup>st</sup> and 2<sup>nd</sup> Grade Review**

**Blue = Kindergarten Exposure, 1<sup>st</sup> Grade Mastery, 2<sup>nd</sup> Grade Review**

**Green = 1<sup>st</sup> Grade Exposure, 2<sup>nd</sup> Grade Mastery**