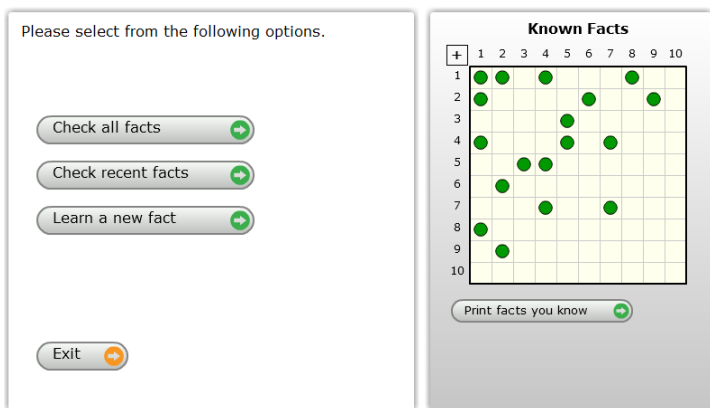


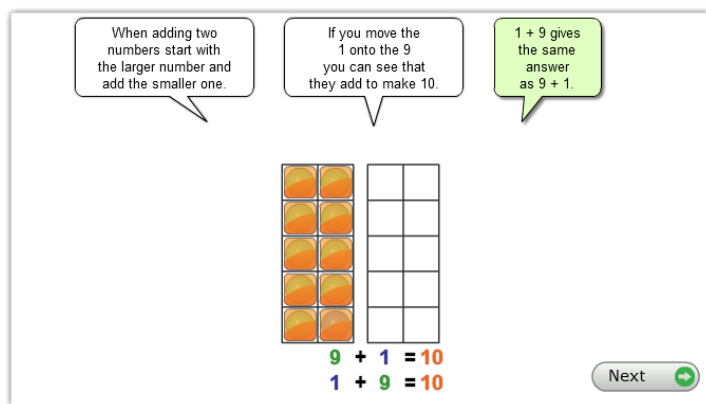
User Guide: Addition and Subtraction Facts Learning Object

This online learning object checks your addition and subtraction facts and then helps you to learn the facts that you don't already know.

1. You will need to set up an account so the learning object can remember you and what facts you know. You can use the same account for the multiplication and division facts learning object.
2. The first time you log in you will be asked to "Check all facts", so that the learning object knows which facts to teach you. You will see a table indicating which facts you know on the right hand side of the screen. You can print the table by clicking on the button below it.



3. Next you can choose to "Learn a new fact". This will take you through a short lesson sequence showing you one family of facts that you do not already know. A family of facts is a group of four related addition and subtraction facts, (eg $9+1=10$, $1+9=10$, $10-1=9$, $10-9=1$).



Once you have been taught the new facts you will be asked to use them, both in equations and to solve word problems. You can choose to print the family of facts you have just learned.

4. Once you have learned 3 new facts you will need to choose "Check recent facts" from the menu. This tests you on the facts that you have just learned, as well as a few others. If you get the new facts right they will appear in the known facts table. At any time you can choose to "Check all facts" again.