## The Fine Art of

## Solving Story Problems Level One: Math Facts

Cross-curricular math stories that:

- apply deciphering skills to identify the proper operation
- reinforce other curricular knowledge
- practice math in all four operations.
1.13 Spiders are members of the Arachnid class. Arachnids have 8 legs. Ladybugs are members of the Insect class. Insects have 6 legs. Which has more legs? How many more?


## Sample Story Problems Level One: Math Facts

The full set includes 10 stories \& control of error for each operation: +. -. $x, \div$ (Total 40 stories.) The sample set shows 2 stories for each operation

Each story comes with a related question, research prompt, or activity suggestion. These are shown in italicized type at the bottom of each card. Most are designed so that a child could complete the suggestion in a matter of minutes but some suggest research or drawing which might take longer. Children can be encouraged to choose to pursue all, some, or none of the italicized offerings depending upon the child's interests and other needs.
1.01 A group of 8 musicians is called an octet. A group of 3 musicians is called a trio. If an octet and a trio were giving a concert together, how many chairs would be needed to seat all of the musicians?

An 8-sided shape is an octagon and an 8-musicion group is an octet.
Can you think of an animal that has 8 legs or arms, whose name means "eight-feet"?
1.03 Torsten is researching constellations. He is drawing the Big and Little Dipper, using : foil stars on black paper. The Big Dipper has 7 stars. The Little Dipper has an additional 7 stars. How many foil stars will Torsten need in all?

Find a picture of the Big Dipper with Little Dipper. If each has the same number of stars, why is one called "Big" and one "Little"? Draw these two constellations.
1.12 Triangles have 3 sides. Hexagons have 6 sides. How many fewer sides does a triangle have than a hexagon?

What is a 5 -sided regular polygon called?


These cards are sized so that, once printed at $100 \%$ scale and cut, they can fit into a pencil box. Color cues indicate the operation needed to complete the problem.

If so desired, the file can be reproduced at $120 \%$ scale on legal-sized paper to make bigger cards.

If so desired, the color cues can be removed by printing the pdf in black and white.

