|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40NAME:  |   |   |   |  ADDITION |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 38 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 36 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 34 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 32 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 30 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 28 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 26 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 24 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 22 |   |   |   |   |   |   |   |   |   |
|  Number of problems completed in two minutes |   |   |   |   |   |   |   |   |   |
| 20 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 18 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 16 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 14 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 12 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 10 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 8 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 6 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 4 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 2 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| Date: |   |   |   |   |   |   |   |   |   |
|  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 72 |  |  |  |  |  |  |  |  |  |
| 70 |  |  |  |  |  |  |  |  |  |
| 68 |  |  |  |  |  |  |  |  |  |
| 64 |  |  |  |  |  |  |  |  |  |
| 62 |  |  |  |  |  |  |  |  |  |
| 60 |  |  |  |  |  |  |  |  |  |
| 58 |  |  |  |  |  |  |  |  |  |
| 56 |  |  |  |  |  |  |  |  |  |
| 54 |  |  |  |  |  |  |  |  |  |
| 52 |  |  |  |  |  |  |  |  |  |
| 50 |  |  |  |  |  |  |  |  |  |
| 48 |  |  |  |  |  |  |  |  |  |
| 46 |  |  |  |  |  |  |  |  |  |
| 44 |  |  |  |  |  |  |  |  |  |
| 42 |  |  |  |  |  |  |  |  |  |
| 40 |  |  |  |  |  |  |  |  |  |
| 38 |  |  |  |  |  |  |  |  |  |
| 36 |  |  |  |  |  |  |  |  |  |
| 34 |  |  |  |  |  |  |  |  |  |
| 32 |  |  |  |  |  |  |  |  |  |
| 30 |  |  |  |  |  |  |  |  |  |
| 28 |  |  |  |  |  |  |  |  |  |
| 26 |  |  |  |  |  |  |  |  |  |
| 24 |  |  |  |  |  |  |  |  |  |
| 22 |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| DATE |  |  |  |  |  |  |  |  |  |

ADDITION

Name

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40NAME:  |   |   |   |  SUBTRACTION |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 38 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 36 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 34 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 32 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 30 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 28 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 26 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 24 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 22 |   |   |   |   |   |   |   |   |   |
|  Number of problems completed in two minutes |   |   |   |   |   |   |   |   |   |
| 20 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 18 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 16 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 14 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 12 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 10 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 8 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 6 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 4 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| 2 |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |
| Date: |   |   |   |   |   |   |   |   |   |
|  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 72 |  |  |  |  |  |  |  |  |  |
| 70 |  |  |  |  |  |  |  |  |  |
| 68 |  |  |  |  |  |  |  |  |  |
| 64 |  |  |  |  |  |  |  |  |  |
| 62 |  |  |  |  |  |  |  |  |  |
| 60 |  |  |  |  |  |  |  |  |  |
| 58 |  |  |  |  |  |  |  |  |  |
| 56 |  |  |  |  |  |  |  |  |  |
| 54 |  |  |  |  |  |  |  |  |  |
| 52 |  |  |  |  |  |  |  |  |  |
| 50 |  |  |  |  |  |  |  |  |  |
| 48 |  |  |  |  |  |  |  |  |  |
| 46 |  |  |  |  |  |  |  |  |  |
| 44 |  |  |  |  |  |  |  |  |  |
| 42 |  |  |  |  |  |  |  |  |  |
| 40 |  |  |  |  |  |  |  |  |  |
| 38 |  |  |  |  |  |  |  |  |  |
| 36 |  |  |  |  |  |  |  |  |  |
| 34 |  |  |  |  |  |  |  |  |  |
| 32 |  |  |  |  |  |  |  |  |  |
| 30 |  |  |  |  |  |  |  |  |  |
| 28 |  |  |  |  |  |  |  |  |  |
| 26 |  |  |  |  |  |  |  |  |  |
| 24 |  |  |  |  |  |  |  |  |  |
| 22 |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| DATE |  |  |  |  |  |  |  |  |  |

SUBTRACTION

 Name:

How to Use the Fluency Work/Graph

1). At the start of each month create a fluency folder for each of your students. Use construction paper folded to make folders and staple the fluency chart (graph) on the front.

2). Once a week have the students complete as many problems as they can in two minutes. Encourage students to go in order, but it is not necessary. Have the students do the facts in pencil for the two minutes. Once time is up have the students stop using pencil and go back to complete any remaining problems with crayon or colored pencil.

Each fluency sheet is sixty problems with 30 problems on each side for addition and subtraction. It is not expected that children complete all 60 problems within the two minutes. It is designed for students to track their progress over time. Although these fact sheets are provided you are encouraged to use other resources to have students practice basic facts.

3). Have the students write the date under a blank column and color in the bars indicating the number of problems that were completed accurately during the two minutes. Although there are 60 problems, the graph only goes to 40. Students who exceed 40 can be challenged to create their own graph to 60 to go beyond 40.

4). Encourage the students to set new fluency goals based on the previous fluency score or number. Students can analyze which facts they know and target the facts they don’t know.

5). (optional) Fluency folders can be sent home with students each month for parents to see their progress.