

# OneInMath

## Diagnostic - Summary (Pages 1 to 1)

Tutor: \_\_\_\_\_

Student: \_\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/2022

### What To Do Next

When student completes this packet:

- Check packet for accuracy.
- Ask oral questions and determine next assignment.

Assign packet (check one): \_\_\_\_ Classwork \_\_\_\_ Homework

- Finish this packet.
- Repeat this packet: [Diagnostic - Summary](#)
- Assign next packet: [Diagnostic - Add Sub 1d](#)
- Assign another packet: \_\_\_\_\_

### Instructions For This Packet

Page 1: Diagnostics Summary: Use it as a guide. Think of it as an index to the curriculum.

Diagnostics Overview: Ask the students to do the problems in each of the sections to determine if the student understands a given module or not. If the student understands the module, then move on to the next module. If the student is struggling in a module, then your job is to determine which packet within the module the student is struggling in. You can do that by asking questions that are related to each packet [It would be obvious to make up questions for the packet once you get a hang of how the modules and packets are named].

General guideline:

- K/1st Grade: Print "Diagnostic Overview: Add Sub 1d"
- 2nd Grade: Print "Diagnostics: Add Sub Below 20"
- 3rd Grade: Print "Diagnostics: Add Sub 2d-3d"

Do NOT give the diagnostic/overview sheets as homework.

### Video Links

No video recommendations.

### Tutor Notes

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Module to Assess	Oral/written questions to ask	Oral Or Written	Diagnostic Module: Packet to use for further assessment	Assess for Grade
Add 0-5 to 0-5	2+3, 3+1, 4+5, 3+3	Oral	Diagnostic: Add Sub 1d	K, 1st
Add 6-9 to 0-5	8+4, 9+3, 7+5, 6+4	Oral		K, 1st
Add 6-9 to 6-9	9+7, 8+9, 7+6, 6+8	Oral		K, 1st
Sub 0-5 to 0-5	3-1, 5-3, 4-2, 5-2	Oral	Diagnostic: Add Sub 1d	K, 1st
Sub 6-9 to 0-5	9-4, 8-5, 7-2, 6-3	Oral		K, 1st
Sub 6-9 to 6-9	6-5, 7-6, 8-6, 9-7	Oral		K, 1st
Add 10-14 to 0-5	11+5, 12+3, 13+4, 14+5	O or W	Diagnostic: Add Sub Below 20	2nd
Add 10-14 to 6-9 below 20	11+8, 12+7, 13+5, 14+4	O or W		2nd
Add 15-19 to 0-5 below 20	15+4, 17+2, 18+1, 19+0	O or W		2nd
Sub 10-14 to 0-5	11-5, 12-3, 13-4, 14-5	O or W	Diagnostic: Add Sub Below 20	2nd
Sub 10-14 to 6-9	11-8, 12-6, 13-7, 14-9	O or W		2nd
Sub 15-19 to 0-5	15-4, 17-2, 18-0, 19-3	O or W		2nd
Sub 15-19 to 6-9	16-7, 17-8, 18-9, 19-6	O or W	Diagnostic: Add Sub Below 20	2nd
Add 2d	15+13, 28+31, 43+55 18+16, 37+59, 48+27 (carry)	Written		3rd
Add 3d	234+257, 759+145, 906+196	Written		3rd
Sub 2d	27-13, 43-21, 79-27 21-16, 84-37, 58-29 (borrow)	Written	Diagnostic: Add Sub 2d-3d (skip if obvious)	3rd
Sub 3d	257-234, 755-159, 906-196	Written		3rd
Mul 0-5 to 0-5	2x3, 3x1, 4x5, 3x3	Oral		Diagnostic: Mul Div 0-12
Mul 6-12 to 0-5	8x4, 9x3, 11x5, 12x4	Oral	2nd, 3rd	
Mul 6-12 to 6-12	6x7, 8x9, 9x6, 12x8	Oral	2nd, 3rd	
Div 0-5 to 0-5	6/2, 12/3, 16/4, 25/5	Oral	Diagnostic: Mul Div 0-12	3rd
Div 6-12 to 0-5	16/2, 27/3, 55/5, 48/4	Oral		3rd
Div 6-12 to 6-12	48/8, 72/9, 110/11, 108/12	Oral		3rd
Div 0-12 to 0-5 R	7/2, 14/3, 19/4, 23/5 17/2, 29/3, 54/5, 47/4	Written	Diagnostic: Mul Div 0-12	3rd
Div 0-12 to 6-12 R	53/6, 65/7, 75/10, 54/8 9/12, 80/9, 105/11, 119/12	Written		3rd
Mul 2d	30x40, 70x65, 54x8, 94x80 27x45, 39x96, 54x11, 93x78	Written		3rd
Mul 3d-4d	397x698, 9472x8736	Written	Diagnostic: Mul Div 2d-4d	3rd
Div 2d 2-12	624 / 12, 1296 / 11, 902 / 10	Written		3rd
Div 3d-4d 2-12	1992/6, 1802/9, 5646/12	Written		3rd

**Instructions**

- You may use Diagnostic overview or Diagnostics packets for diagnostics.
- Your goal: Determine the Module and the specific packet within that module that the student should start with.
- Once you reach a module that they are struggling, stop there. Note: Make sure they are not using fingers, and for simpler problems they are able to answer orally.