

Name _____ Age _____ Date _____

School _____ Grade _____ Teacher _____

EMDI Scoring Guide: Grade 4

3: ON TARGET Shows automaticity and/or uses appropriate strategy for grade level; able to explain thinking and makes no mistakes or self corrects without prompting.

2: CLOSE TO TARGET Has good core understanding but it is not completely developed; growing fluency and ability to explain thinking; may need prompting.

1: BELOW TARGET Shows some understanding but has gaps or flaws in thinking, fluency and explanation.

0: VERY BELOW TARGET Shows little to no understanding.

*NOTE: Only grade level items are included on the scoring guide. (Foundational skills are not included, though a score of 1 could be given if there is evidence of understanding at the grade below. Make a note in the item comment space to support the score.) Two possible summary sheets are included at the end of this scoring guide based on your need for data collection and share out.

ITEM 1 Rounding: Place Value	A. Rounds 4,546 to the nearest 100. (4,500)	0	1	2	3	Total
	B. Rounds 48.67 to the nearest tenth. (48.7)	0	1	2	3	

ITEM 2 Decimal Fraction Identification	A. Writes 6/10 as a decimal. (0.6)	0	1	2	3	Total
	B. Writes 54/100 as a decimal. (0.54)	0	1	2	3	
	C. Writes 0.07 as a fraction (7/100)	0	1	2	3	

ITEM 3 Compare Decimals	A. $0.16 < 0.2$	0	1	2	3	Total
	B. $0.25 > 0.19$	0	1	2	3	
	C. $0.40 = 0.4$	0	1	2	3	
						/9

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ITEM 4 Compare Fractions	A. $5/9 > 5/12$	0	1	2	3	Total /9
	B. $6/8 = 3/4$	0	1	2	3	
	C. $4/5 < 6/7$	0	1	2	3	

ITEM 5 Whole Number Operations	A. $765 + 218$ (983)	0	1	2	3	Total /9
	B. $5,600 \div 7$ (800)	0	1	2	3	
	C. 43×21 (903)	0	1	2	3	

ITEM 6 Addition Subtraction Fractions	A. $2/7 + 4/7$ (6/7)	0	1	2	3	Total /9
	B. $1 \frac{3}{10} + 4 \frac{7}{10}$ (5 $\frac{10}{10}$ or 6)	0	1	2	3	
	C. $8 \frac{5}{8} - 2 \frac{3}{8}$ (6 $\frac{2}{8}$ or 6 $\frac{1}{4}$)	0	1	2	3	

ITEM 7 Multiplying Fractions	A. Selects 3 cards that represent $4 \times 2/3$.	0	1	2	3	Total
	B. Solves $4 \times 2/3$. ($8/3$ or $2 \frac{2}{3}$)	0	1	2	3	/6

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ITEM 8 Fraction Word Problems	A. $2 \times \frac{3}{5} = (\frac{6}{5} \text{ or } 1 \frac{1}{5} \text{ gallons})$	0	1	2	3	Total
	B. $2 - \underline{\hspace{1cm}} = \frac{3}{4} \text{ (}\frac{5}{4} \text{ or } 1 \frac{1}{4} \text{ gallons)}$	0	1	2	3	
	C. $7 \times \frac{1}{2} = (\frac{7}{2} \text{ or } 3 \frac{1}{2} \text{ apples})$	0	1	2	3	/9

Grade 4 Results									
Category	1	2	3	4	5	6	7	8	Total
Earned Points									
Possible Points	6	9	9	9	9	9	6	9	66
Comments:									

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Grade 4 Results				
	0 Very Below Target	1 Below Target	2 Close to Target	3 On Target
# of times student earned this score				
Comments:				