

Name _____ Age _____ Date _____

School _____ Grade _____ Teacher _____

EMDI Scoring Guide: Grade 5

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 Compare Decimals	A. $0.165 < 0.2$	0	1	2	3	
	B. $0.25 > 0.054$	0	1	2	3	Total
	C. $0.43 = 0.430$	0	1	2	3	/9

ITEM 2 Rounding Decimals Place Value	A. Rounds 21.543 to 21.54 (hundredths)	0	1	2	3	Total
	B. Rounds 96.064 to 96.1 (tenths)	0	1	2	3	/6

ITEM 3 Mult/Div By 10	A. $427 \times 10^2 = (42,700)$	0	1	2	3	
	B. $347.8 \div 10 = 34.78$	0	1	2	3	Total
	C. Knows the value of the 4 in 640,000 is 100 times greater than the value of the 4 in 513,400.	0	1	2	3	/9

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ITEM 4 Operations with Decimals	A. $48.34 + 16.07 = (64.41)$	0	1	2	3	Total
	B. $57.9 - 12.78 = (45.12)$	0	1	2	3	
	C. $16 \times 2.75 = 44$	0	1	2	3	
	D. $40 \div 0.25 = 160$	0	1	2	3	/12

ITEM 5 Estimate Fractions Add/Subtract	A. $\frac{9}{10} + \frac{3}{5}$ (greater than 1)	0	1	2	3	Total
	B. $\frac{1}{5} + \frac{2}{12}$ (less than $\frac{1}{2}$)	0	1	2	3	
	C. $\frac{3}{4} - \frac{1}{3}$ (less than $\frac{1}{2}$)	0	1	2	3	/9

ITEM 6 Addition Subtraction Fractions	A. $\frac{5}{8} + \frac{3}{12} = \frac{21}{24}$ <i>or</i> $\frac{7}{8}$	0	1	2	3	Total
	B. $1\frac{4}{5} + 4\frac{1}{4} = 5\frac{21}{20}$ <i>or</i> $6\frac{1}{20}$	0	1	2	3	
	C. $4\frac{1}{2} - 2\frac{1}{3} = 2\frac{1}{6}$	0	1	2	3	/9

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ITEM 7 Estimating Fractions Mult/Div	A. $2 \times \frac{4}{5}$ (greater than $\frac{4}{5}$)	0	1	2	3	Total
	B. $\frac{2}{3} \times \frac{9}{10}$ (less than $\frac{9}{10}$)	0	1	2	3	
	C. $3 \div \frac{1}{8}$ (greater than 3)	0	1	2	3	/9

ITEM 8 Fractions Mult/Div	A. $\frac{2}{3} \times \frac{5}{8} = \frac{10}{24}$ or $\frac{5}{12}$	0	1	2	3	Total
	B. $\frac{1}{5} \div 2 = \frac{1}{10}$	0	1	2	3	/6

ITEM 9 Fraction Word Problems	A. $3 \div \frac{1}{4} = 12$ bags	0	1	2	3	Total
	B. $\frac{3}{4} \times \frac{1}{3} = \frac{3}{12} = \frac{1}{4}$ ($\frac{1}{4}$ of lawn)	0	1	2	3	/6

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Grade 5 Results										
Category	1	2	3	4	5	6	7	8	9	Total
Earned Points										
Possible Points	9	6	9	12	9	9	9	6	6	75
Comments:										

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