Name _____  Age _____  Date _____

School _____  Grade _____  Teacher _____

## MDI Scoring Guide: Grade 7

**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** | A. - 3/4   (<)    - 1/2 | 0 | 1 | 2 | 3 | |
| | B.  - 2   (>)   - 13/6 | 0 | 1 | 2 | 3 | **Total** |
| | C. - 4.6   (>)    - 4 2/3 | 0 | 1 | 2 | 3 | /9 |
| | | | | | | |

| ITEM 2 | | | | | | |
|---|---|---|---|---|---|---|
| **Operations with Rational Numbers** | A. - 3 + 7   (4) | 0 | 1 | 2 | 3 | |
| | B.  -5 – 1 2/3    (- 6 2/3) | 0 | 1 | 2 | 3 | **Total** |
| | C.   -1/2 – -1 3/4    (1 1/4) | 0 | 1 | 2 | 3 | /9 |
| | | | | | | |

| ITEM 3 | | | | | | |
|---|---|---|---|---|---|---|
| **Rational Numbers Mult./Division** | A.   4/7 **x** -1/2    (> -1/2) | 0 | 1 | 2 | 3 | **Total** |
| | B.   -2/3 ÷ -1/2   (> -2/3) | 0 | 1 | 2 | 3 | /6 |
| | | | | | | |

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| ITEM 4 | A. Item $20, Tax rate 5%. What is the total Cost? ($21) | 0 | 1 | 2 | 3 | Total |
|---|---|---|---|---|---|---|
| **Percent Problems** | B. Item $40, Sale 20% off. What is the sale price? ($32) | 0 | 1 | 2 | 3 | /6 |
| | | | | | | |

| ITEM 5 | A. Selects 1 card with justification (A, C, D, F) | 0 | 1 | 2 | 3 | Total |
|---|---|---|---|---|---|---|
| **Proportional Relationships** | B. Selects three additional cards with justification | 0 | 1 | 2 | 3 | /6 |
| | | | | | | |

| ITEM 6 | A. Ana: $50 \div 4 =$ ($12.50 per hour) | 0 | 1 | 2 | 3 | |
|---|---|---|---|---|---|---|
| **Unit Rates** | B. Jayden: $36 \div 3 = $12$ per hour<br><br>$12.50 > $12$<br><br>(Ana earns more than Jayden per hour) | 0 | 1 | 2 | 3 | |
| | | | | | | Total |
| | C. Almonds: $56 \div 8 = $7.00$ /lb.<br>Walnuts: $77 \div 10 = $7.70$ /lb.<br>(Almonds cost less per pound) | 0 | 1 | 2 | 3 | /9 |
| | | | | | | |

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| ITEM 7 | A. 3x + 5 +7x      10x +5    (equivalent) | 0 | 1 | 2 | 3 | | |
|---|---|---|---|---|---|---|---|
| **Algebraic Expressions** | B. 4(x − 8)      4x − 8    (not equivalent) | 0 | 1 | 2 | 3 | **Total** | |
| | C. -5(x − 8) + 2     -5 x -38    (not equivalent) | 0 | 1 | 2 | 3 | | /9 |

<br>

| ITEM 8 | A.  Length of box 3 is more than twice width $(l − 3 = 2w,\ \ l = 2w + 3)$ | 0 | 1 | 2 | 3 | **Total** | |
|---|---|---|---|---|---|---|---|
| **Word Problems** | B. Puppy's weight 14 oz. at birth, +2 oz. /wk. $(y = 2x + 14,\ \ y − 14 = 2x)$ | 0 | 1 | 2 | 3 | | /6 |

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| Category | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Earned Points** | | | | | | | | | |
| **Possible Points** | 9 | 9 | 6 | 6 | 6 | 9 | 9 | 6 | 60 |

**Comments:**

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| Grade 7 Results | | | | |
|---|---|---|---|---|
| | **0**<br>**Very Below Target** | **1**<br>**Below Target** | **2**<br>**Close to Target** | **3**<br>**On Target** |
| **# of times student earned this score** | | | | |

**Comments:**