**Critical Steps in a Think Aloud**

**Video: Ratio Word Problem Think Aloud**

Problem Presented: Sally likes to exercise. For every 10 minutes that she runs, she does jumping jacks for 2 minutes. If she exercises for 1 hour how many minutes did she do jumping jacks?

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| **Steps** | **Notes** |
| Read the problem. |  |
| State what the problem is about. |  |
| Explain your approach (how you’ll solve). |  |
| Describe WHY each step is needed. |  |
| Link procedures back to finding the unknown. |  |
| Provide a recap explaining why the answer makes sense. |  |

In what ways did the think-aloud go beyond procedures?

**Critical Steps in a Think Aloud**

**Video: Problem 1-Mixed Number Addition Think Aloud**

Problem presented: 5 2/8

 2 1/8

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| **Steps** | **Notes** |
| Read the problem. |  |
| State what the problem is about. |  |
| Explain your approach (how you’ll solve). |  |
| Describe WHY each step is needed. |  |
| Link procedures back to finding the unknown. |  |
| Provide a recap explaining why the answer makes sense. |  |

In what ways did the think-aloud go beyond procedures?

**Critical Steps in a Think Aloud**

**Video: Problem 2-Mixed Number Addition Procedural Approach**

Problem presented: 4 ½

 1 2/10

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| **Steps** | **Notes** |
| Read the problem. |  |
| State what the problem is about. |  |
| Explain your approach (how you’ll solve). |  |
| Describe WHY each step is needed. |  |
| Link procedures back to finding the unknown. |  |
| Provide a recap explaining why the answer makes sense. |  |

**Critical Steps in a Think Aloud**

**Video: Problem 2-Mixed Number Addition Conceptual Approach**

Problem presented: 4 ½

 1 2/10

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| **Steps** | **Notes** |
| Read the problem. |  |
| State what the problem is about. |  |
| Explain your approach (how you’ll solve). |  |
| Describe WHY each step is needed. |  |
| Link procedures back to finding the unknown. |  |
| Provide a recap explaining why the answer makes sense. |  |

In what ways did the think-aloud go beyond procedures?

**Critical Steps in a Think Aloud**

**Video: Problem 3-Mixed Number Addition Conceptual Approach**

Problem presented: 3 7/8

2 1/8

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| **Steps** | **Notes** |
| Read the problem. |  |
| State what the problem is about. |  |
| Explain your approach (how you’ll solve). |  |
| Describe WHY each step is needed. |  |
| Link procedures back to finding the unknown. |  |
| Provide a recap explaining why the answer makes sense. |  |

In what ways did the think-aloud go beyond procedures?