

Mathematics Task 1: Movie Tickets and Sandwiches

Materials and Setup

Item 1

🍿 Movie Tickets 🍿	
Theater 1	\$5.00
Theater 2	\$6.00
Theater 3	\$10.00
Theater 4	\$10.00
Theater 5	\$4.00

\$4.00

\$6.00

\$10.00

Item 2

🍿 Movie Tickets 🍿	
Theater 1	\$5.00
Theater 2	\$6.00
Theater 3	\$10.00
Theater 4	\$10.00
Theater 5	\$4.00

\$10.00

\$6.00

\$4.00

Item 3

🍿 Movie Tickets 🍿	
Theater 1	\$5.00
Theater 2	\$6.00
Theater 3	\$10.00
Theater 4	\$10.00
Theater 5	\$4.00

\$10.00

\$6.00

\$5.00

Item 4

🥪 Sandwiches 🥪	
Tuna	\$3.00
Ham	\$6.00
Chicken	\$4.50
Salami	\$5.50
Grilled Cheese	\$3.00
Combo	\$8.00
Veggie	\$5.00

\$5.00

\$4.50

\$3.00

Item 5

Sandwiches	
Tuna	\$3.00
Ham	\$6.00
Chicken	\$4.50
Salami	\$5.50
Grilled Cheese	\$3.00
Combo	\$8.00
Veggie	\$5.00

\$3.00	\$5.00	\$9.00
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Item 6

Sandwiches	
Tuna	\$3.00
Ham	\$6.00
Chicken	\$4.50
Salami	\$5.50
Grilled Cheese	\$3.00
Combo	\$8.00
Veggie	\$5.00

\$2.00	\$3.00	\$5.00
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Adaptive Instructions

Item 1

The Test Administrator may create price cards that match prices on the poster so that the student can manipulate and order the cards.

Item 3

The Test Administrator may create price cards that match prices on the poster so that the student can manipulate and order the cards.

Item 5

The Test Administrator may create price cards that match prices on the poster so that the student can manipulate and order the cards.

Item 2

The Test Administrator may create price cards that match prices on the poster so that the student can manipulate and order the cards.

Item 4

The Test Administrator may create price cards that match prices on the poster so that the student can manipulate and order the cards.

Item 6

The Test Administrator may create price cards that match prices on the poster that the student can manipulate and order the cards.

Access Limitations

N/A (Not Applicable) (Item 1, 2, 3, 4, 5, 6)

Mathematics Task 1:

Movie Tickets and Sandwiches: Item 1

Setup

Movie Tickets	
Theater 1	\$5.00
Theater 2	\$6.00
Theater 3	\$10.00
Theater 4	\$10.00
Theater 5	\$4.00

\$4.00 \$6.00 \$10.00

Script

Say: *We're going to find mean, median, mode, and range.*

Say: *Jesse is collecting costs of tickets at five different theaters. Here is a list of movie ticket prices* (indicate the poster).

Say: *Show (tell) me, what is the mode for the price of tickets: four dollars* (indicate the \$4.00 card), *six dollars* (indicate the \$6.00 card), *or ten dollars* (indicate the \$10.00 card)?

TRY 1

Correct → Record 2 → Next Item

Incorrect → Remove Incorrect Student Response → TRY 2

N → Remove \$6.00 → TRY 2

TRY 2 *Show (tell) me, what is the mode for the price of tickets: (indicate each remaining option in the original order of presentation)?*

Correct → Record 1 → Next Item

Incorrect → Record 0 → Next Item

N → Record N → Next Item

Mathematics Task 1:

Movie Tickets and Sandwiches: Item 2

Setup

Movie Tickets	
Theater 1	\$5.00
Theater 2	\$6.00
Theater 3	\$10.00
Theater 4	\$10.00
Theater 5	\$4.00

\$10.00 \$6.00 \$4.00

Script

Say: **Show (tell) me, what is the median price for the tickets: ten dollars** (indicate the \$10.00 card), **six dollars** (indicate the \$6.00 card), **or four dollars** (indicate the \$4.00 card)?

TRY 1

Correct → Record 2 → Next Item

Incorrect → Remove Incorrect Student Response → TRY 2

N → Remove \$4.00 → TRY 2

TRY 2 *Show (tell) me, what is the median price for the tickets:* (indicate each remaining option in the original order of presentation)?

Correct → Record 1 → Next Item

Incorrect → Record 0 → Next Item

N → Record N → Next Item

Mathematics Task 1:

Movie Tickets and Sandwiches: Item 3

Setup

Movie Tickets	
Theater 1	\$5.00
Theater 2	\$6.00
Theater 3	\$10.00
Theater 4	\$10.00
Theater 5	\$4.00

\$10.00 \$6.00 \$5.00

Script

Say: **Show (tell) me, what is the range in the ticket prices: ten dollars** (indicate the \$10.00 card), **six dollars** (indicate the \$6.00 card), **or five dollars** (indicate the \$5.00 card)?

TRY 1

Correct → Record 2 → Next Item

Incorrect → Remove Incorrect Student Response → TRY 2

N → Remove \$10.00 → TRY 2

TRY 2 *Show (tell) me, what is the range in the ticket prices: (indicate each remaining option in the original order of presentation)?*

Correct → Record 1 → Next Item

Incorrect → Record 0 → Next Item

N → Record N → Next Item

Mathematics Task 1:

Movie Tickets and Sandwiches: Item 4

Setup

Sandwiches	
Tuna	\$3.00
Ham	\$6.00
Chicken	\$4.50
Salami	\$5.50
Grilled Cheese	\$3.00
Combo	\$8.00
Veggie	\$5.00

\$5.00	\$4.50	\$3.00
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Script

Say: **Mason is collecting data about sandwich prices in his school cafeteria. Here is a poster listing sandwich prices** (indicate the poster).

Say: **Show (tell) me, what is the mode for the price of sandwiches: five dollars** (indicate the \$5.00 card), **four dollars fifty cents** (indicate the \$4.50 card), **or three dollars** (indicate the \$3.00 card)?

TRY 1

Correct	→	Record 2	→	Next Item
Incorrect	→	Remove Incorrect Student Response	→	TRY 2
N	→	Remove \$5.00	→	TRY 2

TRY 2 *Show (tell) me, what is the mode for the price of sandwiches: (indicate each remaining option in the original order of presentation)?*

Correct	→	Record 1	→	Next Item
Incorrect	→	Record 0	→	Next Item
N	→	Record N	→	Next Item

Movie Tickets and Sandwiches: Item 5

Setup

Sandwiches	
Tuna	\$3.00
Ham	\$6.00
Chicken	\$4.50
Salami	\$5.50
Grilled Cheese	\$3.00
Combo	\$8.00
Veggie	\$5.00

\$3.00


\$5.00

\$9.00

Script

Say: **Show (tell) me, what is the mean price for the sandwiches: three dollars** (indicate the \$3.00 card), **five dollars** (indicate the \$5.00 card), **or nine dollars** (indicate the \$9.00 card)?


TRY 1


→

Record 2

→

Next Item


→

Remove Incorrect Student Response

→

TRY 2

N

→

Remove


\$3.00

→

TRY 2

TRY 2


Show (tell) me, what is the mean price for the sandwiches: (indicate each remaining option in the original order of presentation)?


→

Record 1

→

Next Item


→

Record 0

→

Next Item

N

→

Record N

→

Next Item

Mathematics Task 1:

Movie Tickets and Sandwiches: Item 6

Setup

Sandwiches	
Tuna	\$3.00
Ham	\$6.00
Chicken	\$4.50
Salami	\$5.50
Grilled Cheese	\$3.00
Combo	\$8.00
Veggie	\$5.00

Three cards are shown with prices: \$2.00, \$3.00, and \$5.00. The \$5.00 card is highlighted with a green border.

Script

Say: **Show (tell) me, what is the range in the prices of sandwiches: two dollars** (indicate the \$2.00 card), **three dollars** (indicate the \$3.00 card), **or five dollars** (indicate the \$5.00 card)?

At the completion of the task say: **We're finished finding mean, median, mode, and range.**

TRY 1

- Correct → Record 2 → Next Item
- Incorrect → Remove Incorrect Student Response → TRY 2
- N → Remove \$3.00 → TRY 2

TRY 2 *Show (tell) me, what is the range in the prices of sandwiches: (indicate each remaining option in the original order of presentation)?*

- Correct → Record 1 → Next Item
- Incorrect → Record 0 → Next Item
- N → Record N → Next Item