

ToM Booklet #1

Story 1

This is a story about a classroom. These kids are all in X grade [usually try to match this to the participant's grade], just like you! It's reading time in this classroom. The teacher, Mr. Abbott, calls all the kids over to read their books. The children all get up to look for their books. We're going to see what they do, and help them find their books, OK? Are you ready?

Common Desires

1. Here is Sam. Sam is choosing between two books. One book is about bicycles, and the other book is about fire trucks.

What do you like better- bicycles, or fire trucks?

ToMB1_2AFC_01 You do? That's great! Sam also likes the book about [that one]! So which book will Sam choose- the one about bicycles or the one about fire trucks?

OK, can you give Sam that one?

Diverse Desires

2. Now here is Laura. Laura is going to pick a book off the bookshelf. Look, there are two books she can choose between. There is a book that has pictures of fish in the ocean, and there is a book that has pictures of dinosaurs.

ToMB1_2AFC_02 What do you like better, fish or dinosaurs? You do? That's great! But Laura likes [other one] better. So which book do you think Laura will pick? Fish or dinosaurs?

OK, can you give Laura that one?

Diverse Beliefs

3. Here is Jonathan. Jonathan is looking for his book. His book might be under the table, or it might be behind the reading chair. Without peeking, where do you think the book is: under the table, or behind the reading chair?

ToMB1_2AFC_03 That's a good guess! But Jonathan thinks his book is [other one]. So where will Jonathan look for his book: under the table or behind the chair?

OK, let's watch Jonathan look there.

[If he finds it: Oh great! There's his book! If he doesn't find it: Uh oh. It's not there. Can you help Jonathan find his book?]

Reference (Easy)

4. Here is Ryan, and Ryan just walked into the room. And here on the bookshelf right in front of Ryan is a big book about airplanes! And there's another book about airplanes, over here, on the cabinet, behind Ryan's back, behind the door.

ToMB1_2AFC_04 So Ryan **just walked in (emphasize)** through the door and says "I want *that* book about airplanes!" Which book does Ryan want?

ToMB1_EXPL_05 How do you know?
OK, can you give it to him?

False beliefs - reality known

5. Here is Madison. This morning, Madison put her book behind the chair, because she didn't want anyone to find it. [image] But when Madison was outside playing, someone did find it! And hid it under the rug. So now it's reading time and Madison wants her book.

ToMB1_2AFC_06 Where will Madison look first for her book? Behind the chair or under the rug?

ToMB1_EXPL_07 Oh, look, here is Madison looking for her book behind the chair. Why is Madison looking for her book behind the chair?

And where is her book really? Can you help Madison find her book?

Filler 1 (not included in score)

ToMB1_Cont_08 6. This is Noah. Noah wants a book about the planets. Can you give it to him?

Moral Reasoning based on false beliefs

7. This morning when he came to school, Ethan put his book above the coat hooks. What color is Ethan's book? That's right- it's blue! And then he went outside to play - see? Here's Ethan playing outside. And while he was outside playing, Ethan's book fell down from above the coat hooks to behind the coats, see? Then Paul comes in - and Paul put his book up here, above the coat hooks. What color is Paul's book? That's right- it's blue! But Ethan is still outside playing, so he didn't see what Paul was doing.

ToMB1_2AFC_09 Now, when Ethan comes in from outside, where will he look first for his book: up on the shelf, or behind the coats?

Let's see what he does.

ToMB1_EXPL_10 Oh look, here is Ethan reaching for this (Paul's) book up on the shelf. Why is Ethan reaching for the book on the shelf?

ToMB1_EXPL_11 And now Paul sees Ethan reaching for that book, and he gets really upset. Why does Paul feel sad?

ToMB1_2AFC_12 Is Ethan being mean and naughty for taking Paul's book? Why/why not?

ToMB1_2AFC_13 Should Ethan get in trouble with the teacher for taking Paul's book? Why/why not?

Can you give Paul back his book?

Now can you help Ethan find his own book?

Expectations

8. This is William. And everyday this month during reading time, William finds this big grey book about mountains right here on the rug, and he reads it. Every day this month, the big grey book about mountains was on the carpet. But today before school, Mr. Abbott moved the big grey book about mountains over to the shelf, and put a big grey book about horses down on the rug.

ToMB1_2AFC_14 When William comes in, and sees this book on the carpet, what will he think is inside?
Pictures of mountains or pictures of horses?

ToMB1_EXPL_15 Why will he think that?

Can you give William the book the book he wants?

Filler 2 (not included in score)

ToMB1_Cont_16 9. This is Indira. Indira wants the book about tigers. Can you give it to her?

Reference (Hard)

10. This is Daniel. Earlier today Daniel was reading this book about fruit, and he really liked the section about oranges. It had pictures of oranges, orange juice, orange trees, and even the farmers who grow the oranges.

Now Daniel is coming in to get a book. Here on the table is the book about fruit that he read this morning. And over here, on the shelf, is a book about history with an orange cover.

ToMB1_2AFC_17 So Daniel comes in and says "I want the orange book!" Which book does Daniel want?

ToMB1_EXPL_18 How do you know?

Can you give it to him?

Interpretation

11. This is Chloe. And Chloe is playing a really silly game today and not saying any words all day long. Instead, she's drawing pictures. So now it's reading time, and Chloe wants Mr. Abbott to get a book down from the top shelf for her. Up on the top shelf is a book about witches, and a book about sailboats. Chloe wants the book about witches, but she doesn't know how to draw a whole witch, because that's kind of hard. So she draws a picture of a witch's hat, and a picture of a witch's broom [put these down separately as you say them].

ToMB1_2AFC_19 Which picture should Chloe give to Mr. Abbott, so he will get her the book about witches and not the book about boats?

ToMB1_EXPL_20 Why is this clue better than that one? (If prediction question was answered incorrectly: Actually, she shows Mr. Abbot this clue. Why is this clue better?)

Can you help Mr. Abbott get down the book about witches, for Chloe?

OK, we're all done! Good job!

Story 2

Are you ready for another story? This story is about a family and their day at the park. Here's mom, big brother Ivan, little brother Joshua, little sister Isabel, and Sprint, the dog! Are you ready to hear the story?

Common Desires

1. Joshua is deciding what to do first, in the playground. He can go on either the slide, or on the swings. Which do you like better - the slide, or the swings?

ToMB2_2AFC_21

You like [] better? Joshua also likes [] better, so which one will Joshua choose to do first?

Ok, can you put Joshua on [that one]?

Diverse Desires

2. Ivan is also choosing what to do first in the playground. He can go in the sandbox, or on the trampoline. Which do you like better, the sandbox or the trampoline?

ToMB2_2AFC_22

You do? That's great. But Ivan likes [the other one] better. So which one will Ivan choose to do first? The sandbox or the trampoline?

Can you put Ivan on [that one]?

False belief - reality known

3. Ok, now everyone is going to play hide and seek. So Joshua closes his eyes and counts to ten, and the other kids go and hide. But look - Joshua is peeking a little. You're not supposed to do that, are you? And while he's peeking, Joshua sees Ivan hide behind the bush. Then Joshua closes his eyes really tight and keeps counting. While Joshua has his eyes closed really tight, so he can't see, Ivan moves from behind the bush, to behind the playhouse.

So tell me- where is Ivan right now? [Behind the bush or in the play house?]
(Correct if wrong by repeating last line of story)

ToMB2_2AFC_23

Ok, now Joshua is going to come looking for Ivan. Where will Joshua look first for Ivan? [Behind the bush or in the play house?]

ToMB2_EXPL_24

Oh look - Joshua is looking behind the bush. Can you explain - why is Joshua looking behind the bush?

[OK, now can you put Joshua where Ivan really is?]

Moral Reasoning based on false beliefs

4. Now it's snack time, and Mother brought one cookie for each kid. Joshua puts his cookie down on the grass, and then he goes to the picnic basket to get a juice box. And while he's getting his juice box, mother moves his cookie from the grass, to the blanket, because she doesn't want it to get dirty. Now Isabel takes her cookie, and she puts it down on the grass, while Joshua is still getting his juice box.

ToMB2_2AFC_25 Now, when Joshua comes back from getting juice, which cookie will he take? The one in the grass or the one under the blanket?

ToMB2_EXPL_26 If correct: Can you tell me why?
If incorrect: Actually, Joshua takes the cookie from the grass (place Joshua in correct location). Can you tell me why?

ToMB2_EXPL_27 Isabel sees Joshua taking that cookie and starts to cry. Why does Isabel get mad and start crying?

ToMB2_2AFC_28 Is Joshua being mean and naughty for taking Isabel's cookie? Why?

ToMB2_2AFC_29 Should Joshua get in trouble with mother for taking Isabel's cookie? Why?

Can you give Isabel back her cookie?

Can you give Joshua back his cookie?

Emotion reminder

5. This is a picture from *last week*. And last week, when they came to the park, Sprint was playing with a friendly black puppy. He was really cute and friendly and everyone was having a good time with him. But then during snack time last week, the black puppy stole Ivan's cookie, and ran away with it! Now, while the kids are having their snack today, Sprint is running around playing with the same friendly black puppy. The black puppy comes running over to the kids, wagging his tail.

ToMB2_2AFC_30 How will Ivan feel when he sees the black puppy? Happy or sad?

ToMB2_2AFC_31 Will Ivan want to go near the puppy, or far away from the puppy?

ToMB2_EXPL_32 Why?

Expectation

6. Every week, mother puts milk in this yellow bottle, and brings it to the park for snack time. But this week, they were all out of milk, and mom didn't have time to go to the store to get more, so she put orange juice in the yellow bottle instead. Now it's snack time, and Isabel wants a drink.

When she sees the bottle, Isabel says "Oh good! Exactly what I wanted!"

ToMB2_2AFC_33 What does Isabel think is in the bottle? Milk or orange juice?

Why does she think that?

ToMB2_2AFC_34 When Isabel drinks from the bottle, how will she feel? [Will she feel happy or sad?] Why?

Interpretation

7. Now, snack time is over, and the three kids are playing a new game. Here's how the game goes: One kid hides, but draws a clue in the sandbox so the other kids can find them. So Ivan is going first. He draws this clue in the sandbox, and then he goes to hide. Where do you think Isabel and Joshua should look for Ivan? How did you know? (Not coded- just introducing the game to the participant).

OK, now it's Joshua's turn to leave a clue, and hide. Isabel and Ivan will then try to use the

clue to find him. Joshua decides to hide behind the drinking fountain. So he draws a clue like this: here is the bottom metal part of the fountain, and here is lots of water coming out of it. [drawing looks much more like a tree]. Then Joshua goes to hide behind the fountain.

What is this a picture of?

(Note: this question is meant to be about what this picture is supposed to be - but it's true that this question is kind of ambiguous. so if the child doesn't get it, we can ask it again, like what did Joshua mean to draw?"; Do not tell children that the drawing looks like a tree).

ToMB2_2AFC_35 When Isabel and Ivan see this clue, where will they look first for Joshua?

ToMB2_EXPL_36 Oh look, Ivan and Isabel are looking behind the tree for Joshua - why are they looking behind the tree for Joshua?

Can you help them find where Joshua really is?

False beliefs about moral harms/deception

8. Now the games are over, and it's almost time to go home. Mother tells the kids to find all of their toys. Joshua brought his toy truck with him to the park, but now he can't find it. He's looking everywhere but he can't find it.

And that's because earlier in the day, when no one was looking, Isabel took the toy truck and buried it in the sandbox.

So Joshua looks everywhere and he can't find his toy truck. Mother gets mad at Joshua, because he lost his truck.

ToMB2_2AFC_37 Is it fair that Mother is mad at Joshua for losing his truck? Why? / Why not?

ToMB2_2AFC_40 Is mother mad at Isabel?

ToMB2_EXPL_41 Why / why not?

ToMB2_2AFC_38 Is Joshua mad at Isabel?

ToMB2_EXPL_39 Why / Why not?

When Isabel sees that Mother is mad at Joshua, she goes to the sandbox and digs up the toy truck, and gives it back to Joshua.

Is Mother mad at Joshua now? Why / why not? (not coded)

Is Mother mad at Isabel now? Why / why not? (not coded)

Is Joshua mad at Isabel now? Why / why not? (not coded)

Isabel tells Joshua that she's very sorry, and she gives him a big hug. Joshua gives her a big hug back, and Mother and Ivan and Sprint join in.

OK, now it's time to go home! That was a good long day at the playground!