



# Bee Spatial

## Mental Folding

### Instructions for teachers

#### What do I need before I begin?

- This document, containing the assessment instructions.
- A mental folding assessment booklet for every child in the class, and one for yourself.
- A pencil/pen for every child in the class.
- Two pieces of example paper for practice questions, for you only.

#### What will I have to do for the assessment?

- Read aloud the text that is italicised. You will read all instructions and the two practice questions aloud to the children in the class. For the two practice questions, you will demonstrate physically folding the paper using the example green and purple paper provided.
- For practice and assessment questions, children will circle the answer that they think is correct in their assessment booklet.
- Please stop the children and collect the test after **12 minutes**, even if some children have not got to the end of the assessment.

#### Set Up

- When the children are all sat down, give them the mental folding assessment booklet.
- Ask the children to write their name in pencil on the front of the booklet.
- Ensure the children do not look at the questions until the rest of the class is ready. Children should work on their own.

#### The text in italics shows exactly what you need to say aloud.

Teacher: *"For this activity each of you have a booklet."* Show your spare assessment booklet to the class. *"Open your booklet to page 1. Let's do the first example together. Let's look at the top picture showing a green piece of paper."* Walk around showing the children with your booklet, making sure everyone is on page 1.



### Practice 1:

*Look at this piece of paper* (point to booklet) *it is just like this piece of paper* (hold up the example practice paper). *See? They're both green on the front. If we turn this piece over* (using practice paper) *it is also purple on the other side.* (point to booklet) *And this piece of paper is also purple on the other side, they're the same. These arrows* (point to both booklet and paper arrows) *show us how to fold the paper. We fold the edge where the arrow starts* (point to arrow in booklet item) *towards where the arrow ends* (point to booklet item). *These dotted lines* (point to both booklet and practice paper) *show us where the fold should go. Now let's try folding this piece of paper* (point to practice paper) *as the marking show.* (Model folding the piece of paper along the dotted line, for the children to observe the physical folding of the practice paper).

*Look, one of these images* (point to the 4 booklet options) *shows how this paper* (point to booklet item) *will look once folded. Let's work out which answer is correct.*

(Point to top left image) *This image isn't correct because the wrong corner has been folded.* (point to fold in wrong place) *See, the fold is on the wrong side, that can't happen.*

(Point to bottom right image). *This image isn't correct either. The colours are the wrong way round. This one is green on the front and purple on the back.*

(Point to top right image) *This image isn't correct. The fold doesn't align with the dotted line. Remember, we're always pretending to fold the paper as the markings show.*

*So, now let's pretend to fold this paper* (point to booklet practice question 1) *and then you can choose an image to show me what it looks like.* (Gesturing) *We pretend to take the edge with our finger and thumb and fold the corner like this so we can see the purple side. Now you pretend to fold this corner so you can see the purple side* (Have children do the gesture too). *Now what does our pretend folded paper look like?* (point to responses) *Circle the correct image.*

*Let's turn the page to find out which image was the correct answer, we are on page number 2.* Make sure every child understands which page to be on. *You should have circled this image* (point to bottom left image), *this is the correct answer. Did everyone get that answer?*

Make sure all children understand. Go over the instructions below to ensure the whole class understands the instructions of the task.

*So, remember, when we fold this paper* (point to the booklet) *like this* (gesture pretending to fold the paper), *it looks like this* (point to the paper). *The image that matches this piece of paper is the answer.*

If children answer correctly say *Good job, that's right* if the right answer gets circled. Move onto practice item 2. If the children don't understand, repeat the relevant explanations based on their chosen answer.



## Practice 2:

Teacher: *Let's do another example, turn to page 3.* Make sure all the children are on the correct page. (Point to booklet target item) *This piece of paper is just like the last one, but it has different markings. This piece of paper matches this one* (hold practice piece of paper) *like last time, and they're both the same. The markings show us how to fold the paper, so we'll need to fold this one differently than the last one. This time we'll choose one of these answers* (point to options in booklet) *before folding this piece of paper* (point to paper).

*Now, pretend to fold this paper* (Point to booklet target item) *and then choose an image to show me what it looks like.* Wait for all children to have a go. *What does our pretend folded paper look like?* (point to response options) *Let's circle the correct image!*

*Let's turn the page to find out which image was the correct answer, we are on page number 4.* Make sure every child understands which page to be on. *You should have circled this image* (point to top right image), *this is the correct answer. Did everyone get that answer?*

Make sure all children understand and get the correct answer. If children do not understand the concept, insert the additional practice 2 explanation text (see end of this document) here.

### **End of practice items – no more feedback from this point**

## First test item:

Teacher: *We will now continue to do the rest of the questions, but I will not tell you which one is correct after each question. Do not talk to your friends about the answer. There is only one correct answer for each page.*

*This is a quiz that we give to older children too so don't worry if some of the questions are too hard for you, just have a go at as much as you can and if a question is too hard, go on to the next question.*

*Make sure to look at the page numbers when you start each question, so you don't accidentally skip any questions! The pages are numbered at the bottom of the page.*

*Now turn the page, we are on page number 5.* Make sure for each question, every child understands which page to be on.

*Now pretend to fold this paper as the markings (point) show. Then circle the item that shows what it looks like (point to the response items).*

Please stop the children and collect the test after **12 minutes**, even if some children have not got to the end of the assessment.



Optional additional practice 2 explanation, if required.

*So, remember! When we fold this paper* (point to booklet item) *like this* (gesture pretending to fold the paper), *it should look exactly like this* (point to the paper). *If your answer doesn't look like this piece of paper, it can't be correct.*

If the children don't understand, repeat the relevant explanations based on their chosen answer.

(Point to answer A, bottom left) *This answer isn't correct because the colours are wrong. This one is purple on the front and green on the back.*

(Point to answer B, top left) *This one is also incorrect. This fold doesn't align with the dotted line! Remember, we're always pretending to fold the paper as the markings show.*

(Point to answer C, bottom right) *This answer also isn't correct! The fold is on the wrong side; that can't happen!*

(Point to D, top right) *This is what our folded paper looks like. See how they're the same?* (Point to the paper and then to D) *This is how our pretend folded paper will look.*