

Foldable Rekenrek Chart

Material needed:

- Black poster board
- Template
- 15 red cardstock rectangles
- 15 white cardstock rectangles
- Packing tape
- Glue/ glue stick (optional)
- Velcro
- Index cards (Optional for use if creating pockets)

Folding the poster board:

The template is exactly $\frac{1}{3}$ of the height of the poster board. Depending on what seems easier to you, you can make the first horizontal fold one of two ways:

- Line the template up along the bottom left corner of the poster. Draw a line above the top edge of the template to mark the first fold line. Then fold the bottom edge of the poster up at the fold line you marked off. You can also just fold up the poster at the top of the template.
- Center the template vertically along the left edge of the poster. Fold the bottom edge of the poster up to the top edge of the template. Fold the poster along the bottom edge of the template.

Once the poster is folded, use a marker or other cylindrical object to press along the fold line firmly, creating a solid crease. Open the poster back up, then fold it along that same fold line in the opposite direction. Again, use a marker or ruler to press firmly along the fold line to create a solid crease. Leave it folded that way.

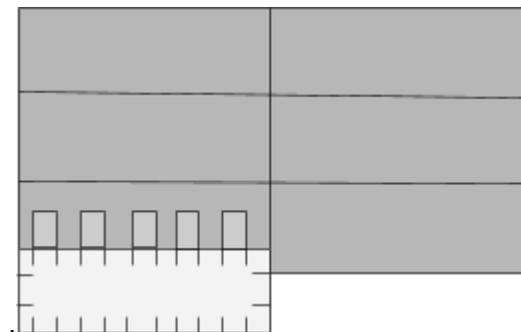
Next, fold the top edge of the poster down to the first fold line you created. Use a marker or other cylindrical object to press along the fold line firmly, creating a solid crease. Open the poster back up, then fold it along that same fold line in the opposite direction. Again, use a marker or other cylindrical object to press firmly along the fold line to create a solid crease.

Open the poster up completely. Now fold the left and right sides of the poster together, creating a fold line vertically along the middle of the poster. Use a marker or other cylindrical object to press along the fold line firmly, creating a solid crease. Open the poster back up, then fold it along that same fold line in the opposite direction. Again, use a marker or other cylindrical object to press firmly along the fold line to create a solid crease.

When you open the poster up completely now, you should have 6 equal sections.

Placing rows:

With the poster board open completely, place the template on top of the bottom left edge of the poster. Line up the bottom edge of the poster with the top tick marks along the left and right edges of the template. Place a red rectangle along the top edge of the template at the first tick mark along the top. Then place the next red rectangle at the third tick mark, the third red rectangle at the fifth tick mark, the fourth at the seventh tick mark, and the fifth at the ninth tick mark. It may be helpful to glue the rectangles in place to keep them from moving when you begin taping over them



Flip the template upside down and place it along the bottom right edge of the poster. Line up the bottom edge of the poster with the top tick marks along the left and right edges of the template. Place a white rectangle along the top edge of the template at the first tick mark. Then place the next white rectangle at the third tick mark, the third white rectangle at the fifth tick mark, the fourth at the seventh tick mark, and the fifth at the ninth tick mark.

Once you have completed the bottom row, use the template in the same way for the middle and top rows by lining up the template along the fold line below those rows with the top tick marks along the left and right edges of the template and placing the rectangles along the tick marks at the top of the template.

When all 3 rows are in place, cover the board completely with packing tape. Be careful around the fold lines. Make sure that the tape covers the fold line through the center of the tape width. If the edge of the tape runs along the fold line, the poster will eventually tear along those lines through wear and tear, but if the fold line is well-covered along the center of the tape, it will last much longer.

Once the board is completely covered with packing tape, be sure to fold along all of the fold lines again, pressing firmly to solidify the creases.

Finally, add the velcro pieces to each rectangle.

(If you want to create “pockets” rather than using velcro, you may want the rows slightly lower than center. If that’s the case, use the backside of the template in the same exact way. IF YOU WILL BE USING THE RECTANGLES AS POCKETS, MAKE SURE TO GLUE ALONG THE SIDES AND BOTTOM EDGES **ONLY**, SO THAT THE TOP PART OF THE RECTANGLE REMAINS OPEN, FORMING THE POCKET.)