

Grade 1	Lesson: 16-2 Describing Equal Parts of Whole Objects	Reference to English
Math Standard(s): 1.G.3		Domain: Geometry
Content Objective(s):		Language Objective(s):
Children will describe equal parts of a shape. 我会认出和用小组写下算式的部分来做出加法问题。		Students will speak the words inside, outside and in all while adding parts. 我在相加部分时会说 里面, 外面 和 一共。
Essential Understanding: A region can be divided into equal-sized parts in different ways. Equal-sized parts of a region have the same area but not necessarily the same shape.		Academic Vocabulary: Listen: Read: Write: Speak: Sentence Frame:
Materials: • Index cards • crayons		Language and Word Wall:
Lesson:		Instructional Time: 20 minutes

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Opening: (3 minutes)

T: “你已经学会怎么认出一个形状有没有被分成相等的部分。”

- Show student pictures of shapes divided into equal parts and review them.

T: “今天你会学习怎么描述这些部分。”

T: “记得我们昨天学习的吗?”

- Show a picture of a whole sandwich. Then show a sandwich cut in half (equal parts)

S: will respond with “yes” or “no”

T: “昨天我们学会怎么把东西分成相等部分，例如一个三明治。你可以把这个三明治分成4个相等部分吗?”

S: will respond with “yes” or “no”

T: “我们来试试看。”

- Teacher will show the students a real sandwich.

T: “三明治在这里。我们先把它分成2个相等部分，再把它分成4个相等部分。”

Introduction to New Material (Direct Instruction): (5 minutes)

- Pass out white boards, markers and erasers.

T: “我需要大家在你们的白板上画一个长方形。”

S: will draw a rectangle on the board.

T: “请把长方形的 $\frac{1}{2}$ 涂上颜色。我想要看你画的2个相等部分。”

S: will color in $\frac{1}{2}$ of the rectangle.

T: “帮我把在长方形下面的算式填空。____个相等部分里的____个。我们涂上几个部分?”

S: will respond, “1”

T: “我们来填空。____个相等部分立的1个。一共有几个部分?用手指比给我看。”

S: will show 2 fingers.

T: “对，有两个部分。1,2 我们来写在空格里。2个相等部分里的1个。跟我一起说出算式。”

S: will say, “1 out of 2 equal parts.”

T: “请把白板擦干净。请画一个圆形。”

S: will draw a circle and show the teacher.

T: “看白板上的圆形。我会在里面画一个X。然后我要把3个三角形涂上颜色。请跟着我做。”

S: will draw the ‘X’ in the circle and color in 3 of the triangles.

T: “我们为几个三角形涂上颜色?用手指比给我看。”

S: will show 3 with their fingers.

T: “对，我们涂上了3个三角形。我们来写在算式里。____个相等部分里的3个。圆形被分成几个相等部分?告诉你旁边的同学。”

S: will turn to their neighbor and say “4.”

T: “圆形里一共被分成4个相等部分。我们来填空。4个相等部分里的3个部分。请跟我说。”

S: will say with the teacher 3 out of 4 equal parts.”

- Continue with the rectangle with 4 equal parts and 1 colored in and the square with 2 equal parts (divided diagonally) and 1 colored in.

Guided Practice: (7 minutes)

Use the modeling cycle:

Teacher Does:

T: “现在我会把你们分成两个一组。每组会拿到2张正方形的纸。你们要一起合作来把一张纸分成2个相等部分，然后把另一张纸分成4个相等部分。之后你们要为纸的一部分涂上颜色。”

- Teacher will hand out the papers to the partnerships.

All Students Do:

T: “现在你们已经准备好，可以开始了。不要忘记说出“____个相等部分里的____个。”

S: will start the activity.

- Teacher will walk around the room. Remind students to say, “____ out of ____ equal parts.”

- After 2-3 minutes bring the students back together through an attention getting strategy.

Independent Practice: (5 minutes)

T: “现在换你自己做了。我们一起来做第一题。”

T: “我把第一题画在白板上。我需要圈起所有显示2个相等部分里的1个的形状。”

- The teacher will go through all the shapes and ask “is this 1 out of 2 equal parts?”

S: will respond with “yes” or “no”

T: “所以我们会圈起有2个相等部分里的1个的形状。很好，从第4题开始，你需要按照算式来为形状涂上颜色。”

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Assessment:

Guided Practice

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