

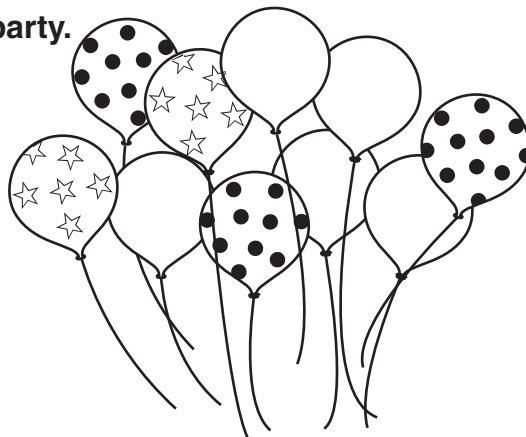


Name \_\_\_\_\_ Date \_\_\_\_\_

# Relate Fractions and Decimals

**TAKS** Objective 1  
**TEKS** 4.1B, 4.2D

Mr. Beacon bought balloons for his son's birthday party.  
Use the picture of the balloons for Problems 1–4.



- Write a fraction and a decimal that tells the part of the balloons that have polka dots.

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- Michelle said that  $\frac{1}{2}$  of the balloons are white. Carter said that 0.5 of the balloons are white. Who is correct? Explain.

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- Greg and Carter both ordered the same number of balloons. Of the balloons Carter ordered,  $\frac{3}{5}$  were white. Of the balloons Greg ordered, 0.35 were white. Did the two boys order the same number of white balloons? Explain.

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- Write a fraction in simplest form and a decimal that tells the part of the balloons that have stars.

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- Write a fraction and a decimal that tells the part of the balloons that have stars or polka dots.

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- Joann ordered 10 balloons. 0.3 of her balloons had stripes. Alexa ordered 20 balloons. 0.3 of her balloons had stripes. Do Joann and Alexa have the same number of striped balloons? Explain.

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