

## M & M's

1. Sort your M & M's by color. Give the fractional part made up by each color.
2. Now select 10 M & M's and divide them into two equal sets. What fraction does each set represent? Write this fraction in two different ways.
3. With your set of 10 M & M's, separate the group into smaller sets of 2 M & M's each. What fraction does each set represent? Write this fraction in two different ways.
4. Group 8 M & M's together and use this as your whole. Divide your set into fourths. How many M & M's are in each of the fourths?
5. Group 15 M & M's together and use this as your whole. Divide your set into thirds. How many M & M's are in each of the thirds?
6. Group 3 M & M's together. This is one-fourth of your set. How many are in your whole set?
7. Group 5 M & M's together. This is one-half of your set. How many are in your whole set?
8. Group 6 M & M's together. This is one-third of your set. How many are in your whole set?
9. Group 6 M & M's together. This is two-thirds of your set. How many are in your whole set?
10. Group 4 M & M's together. This is four-fifths of your set. How many are in your whole set?
11. Group 4 M & M's together. This is two-sevenths of your set. How many are in your whole set?



## Coverings

### Cuisenaire Rods – Color Trains

1. Find all one color trains that are the same length as the orange rod and record how many of each is used.
2. Find all one color trains that are the same length as the blue rod and record how many of each is used.
3. Find all one color trains that are the same length as the brown rod and record how many of each is used.
4. Find all one color trains that are the same length as the black rod and record how many of each is used.
5. Find all one color trains that are the same length as the dark green and record how many of each is used.
6. Find all one color trains that are the same length as the purple rod and record how many of each is used.

### Pattern Blocks

1. Can the hexagon be covered with red trapezoids? How many are needed? The trapezoid is what fractional part of the hexagon?
2. Can the hexagon be covered with blue rhombus? How many are needed? The rhombus is what fractional part of the hexagon?
3. Can the hexagon be covered with green triangle? How many are needed? The triangle is what fractional part of the hexagon?

### Fraction Circles

1. Can the purple circle be covered with brown wedges? How many are needed? The brown wedge is what fractional part of the purple circle?
2. Can the purple circle be covered with pink wedges? How many are needed? The pink wedge is what fractional part of the purple circle?
3. Can the white semicircle be covered with orange wedges? How many are needed? The orange wedge is what fractional part of the white semicircle?

## Cuisenaire Rods – Parts of a Whole/Relationships

1. The red rod is what fractional part of the purple rod?
2. The red rod is what fractional part of the dark green rod?
3. The red rod is what fractional part of the brown rod?
4. The red rod is what fractional part of the orange rod?
5. If the orange rod is one, find the values of the red, yellow, white, green, and purple rods.
6. If the purple rod is one, find the values of the brown, dark green, orange, and black rods.
7. If the red rod represents one-half, which rod represents one?
8. If the white rod represents one-fifth, which rod represents one?
9. If the red rod represents one-half, which rod represents one and one-half?
10. If the red rod represents one-third, which rod represents one?
11. If the white rod represents one-fourth, which rod represents one and three-fourths?
12. If the red rod represents one-third, which rod represents one and two-thirds?
13. If the white rod represents one-ninth, which rod represent one?
14. If the yellow rod represents one-half, which rod represents one?
15. If the white rod represents one-half, which rod represents three?

## Pattern Blocks – Parts of a Whole /Relationships

1. The triangle is what fractional part of the hexagon?
2. The trapezoid is what fractional part of the hexagon?
3. The rhombus is what fractional part of the hexagon?
4. The triangle is what fractional part of the trapezoid?
5. The triangle is what fractional part of the rhombus?
6. If the hexagon is one, what are the values of the other shapes?
7. If the hexagon is one-half, what are the values of the other shapes?
8. If the trapezoid is one, what are the values of the other shapes?
9. If the trapezoid is one-fourth, what are the values of the other shapes?
10. If the rhombus is one, what are the values of the other shapes?
11. If the rhombus is one-half, what are the values of the other shapes?
12. If the triangle is one, what are the values of the other shapes?
13. If the triangle is two, what are the values of the other shapes?
14. If the triangle is one-third, what are the values of the other shapes?
15. If two hexagons is a whole, what are the values of the other shapes?

## Fraction Circles – Parts of a Whole /Relationships

1. The black wedge is what fractional part of the purple circle?
2. The white wedge is what fractional part of the purple circle?
3. The brown wedge is what fractional part of the purple circle?
4. The pink wedge is what fractional part of the purple circle?
5. The orange wedge is what fractional part of the purple circle?
6. If the brown wedge is a whole, what is the value of the orange wedge?
7. If the black wedge is a whole, what is the value of the purple circle?
8. If the white wedge is a whole, what is the value of the black wedge?
9. If the orange wedge is one-half, what is a whole?
10. If the pink wedge is one-third, what is the value of the black wedge?
11. If the brown wedge is one-half, what is the value of the orange wedge?
12. If the brown wedge is one-third, what is the value of the orange wedge?
13. If the brown wedge is one-third, what is the value of the white wedge?
14. If the black wedge is one-sixth, what is the value of the white wedge?
15. If the pink wedge is one-half, what is a whole?