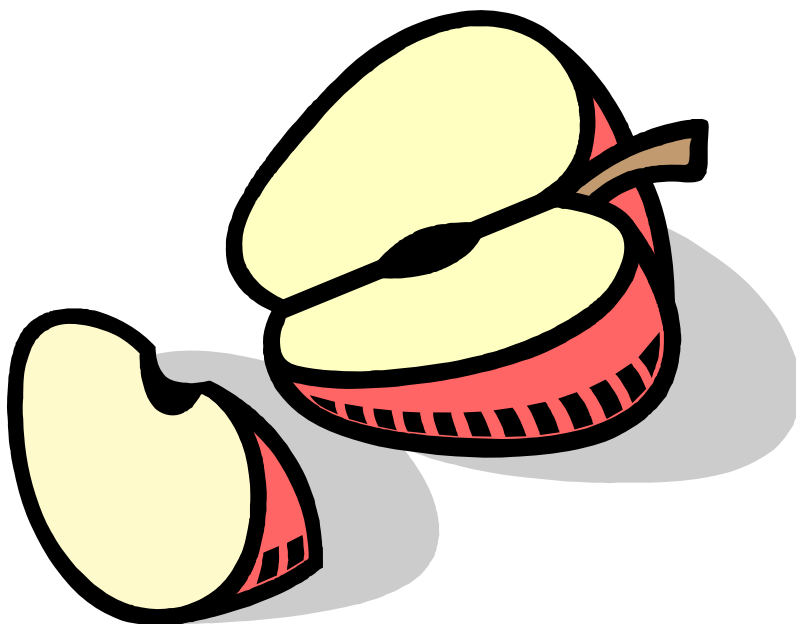


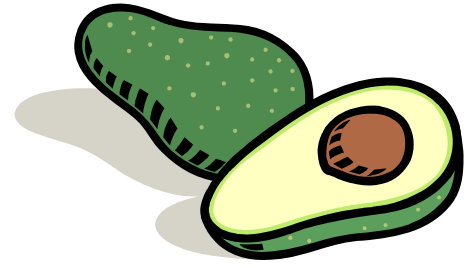
Math Book 9

Fractions Level 1

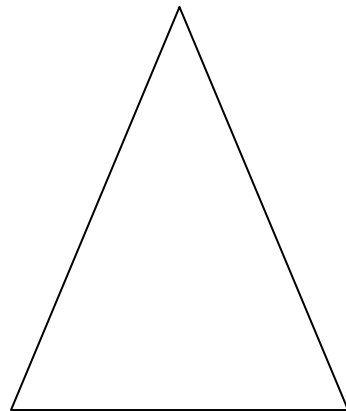
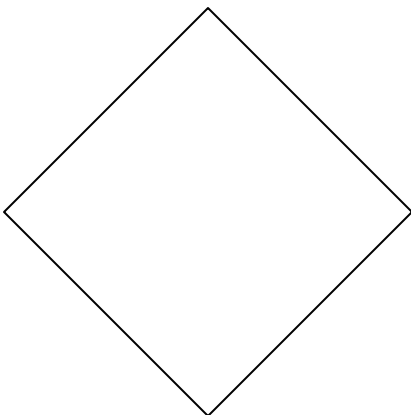
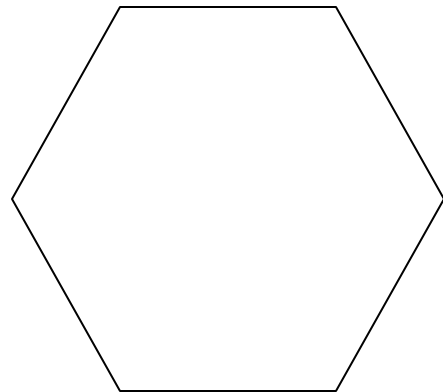
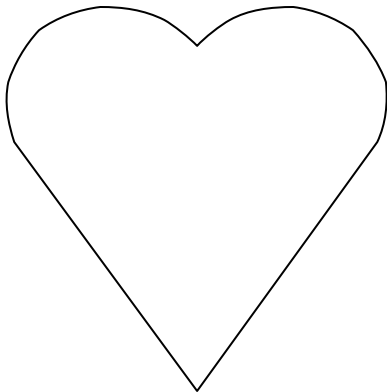
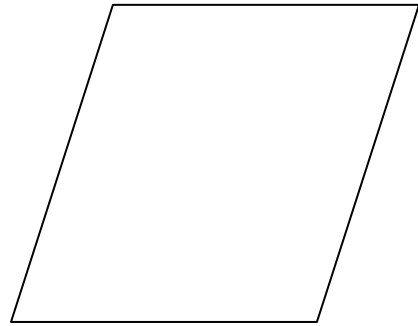
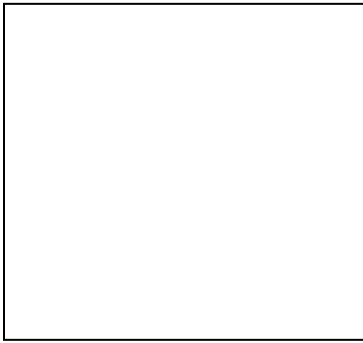
Understanding Fractions



Identifying 1/2



Color 1/2 of the objects below.



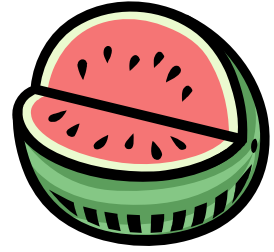
Identifying 1/2



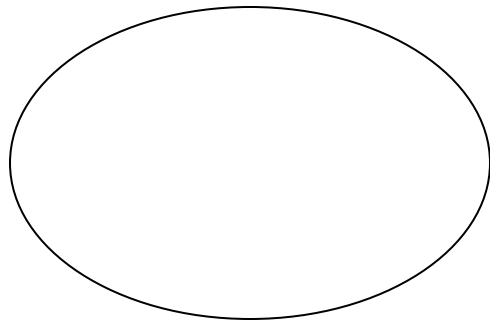
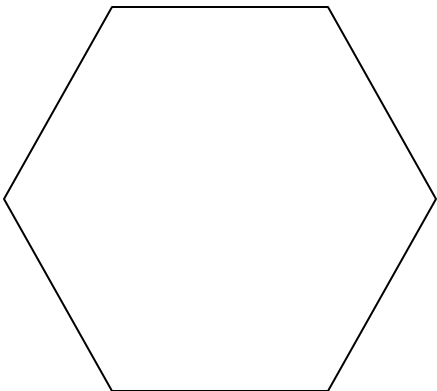
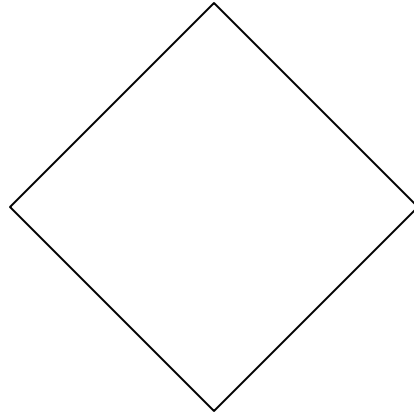
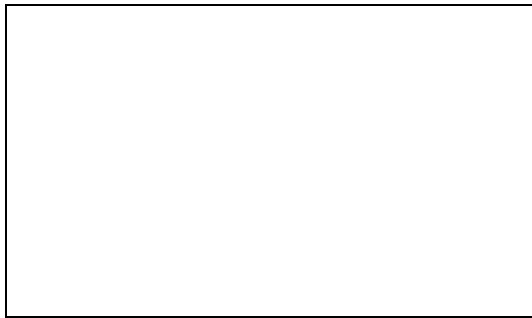
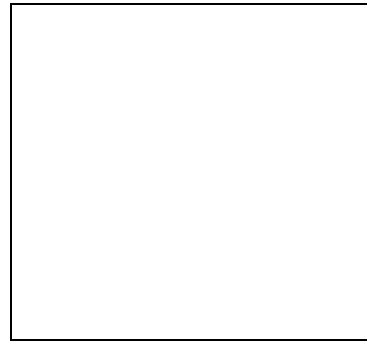
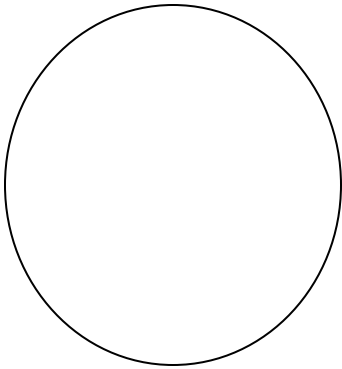
Circle the shape that shows two halves.

| | |
|-----|-----|
| 1. | 2. |
| 3. | 4. |
| 5. | 6. |
| 7. | 8. |
| 9. | 10. |
| 11. | 12. |
| 13. | 14. |

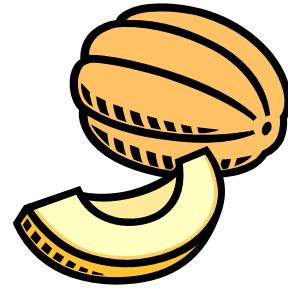
Identifying $\frac{1}{4}$




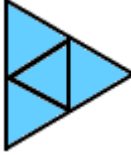




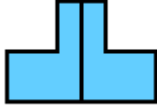


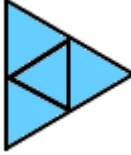

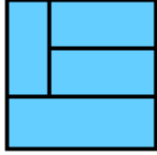











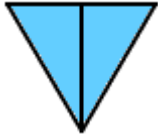




Color $\frac{1}{4}$ of the objects below.



Identifying $\frac{1}{4}$

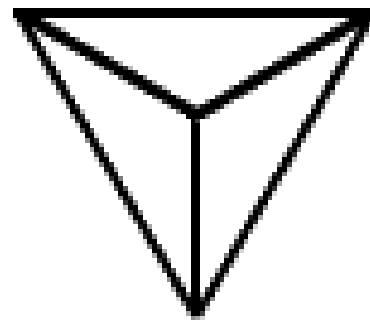
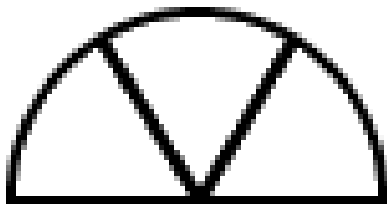
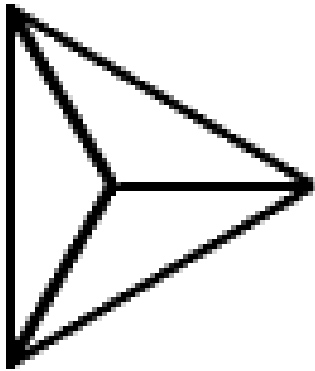
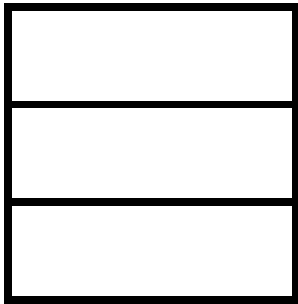
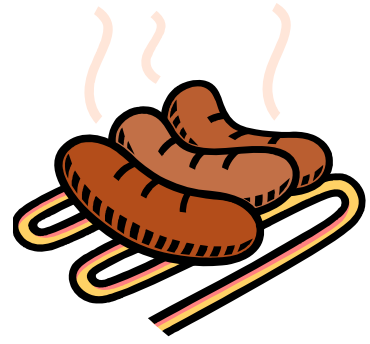


Circle the shape that shows four fourths.

| | |
|---|--|
| 1.   | 2.   |
| 3.   | 4.   |
| 5.   | 6.   |
| 7.   | 8.   |
| 9.   | 10.   |
| 11.   | 12.   |
| 13.   | 14.   |

Identifying 1/3




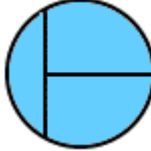


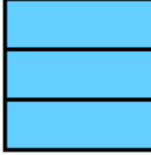
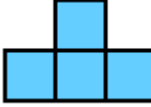
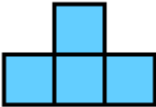



















Color 1/3 of the objects below.



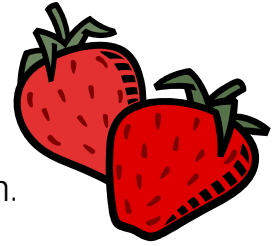
Identifying $\frac{1}{3}$














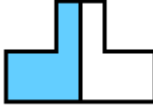
Circle the shape that shows three thirds.

| | |
|---|--|
| 1.   | 2.   |
| 3.   | 4.   |
| 5.   | 6.   |
| 7.   | 8.   |
| 9.   | 10.   |
| 11.   | 12.   |
| 13.   | 14.   |

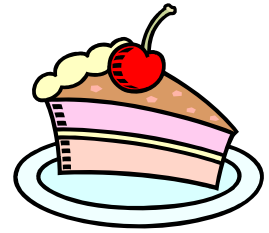
Identifying 1/2, 1/3 and 1/4



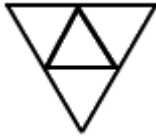
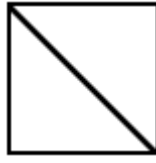
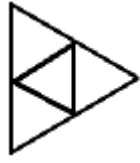
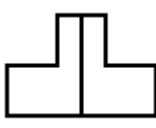
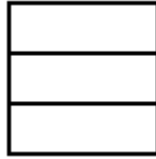






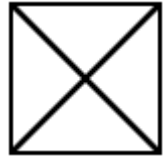
What fraction does the colored part show? Circle the fraction.

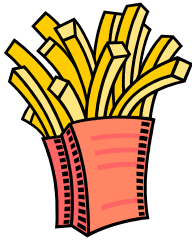
| | | |
|--|--|--|
| <p>1.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> | <p>2.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> | <p>3.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> |
| <p>4.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> | <p>5.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> | <p>6.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> |
| <p>7.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> | <p>8.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> | <p>9.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> |
| <p>10.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> | <p>11.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> | <p>12.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> |

Identifying 1/2, 1/3 and 1/4

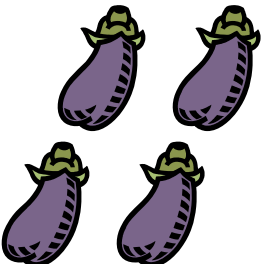
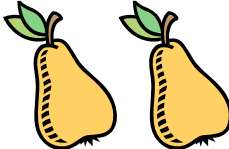
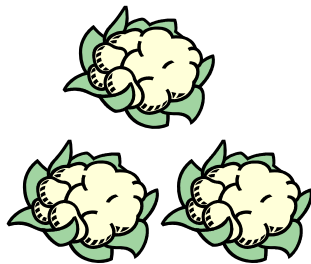
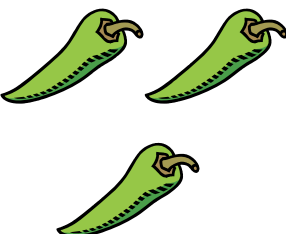

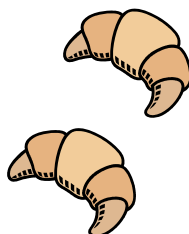
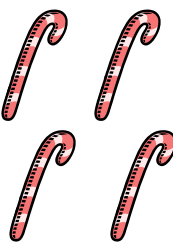

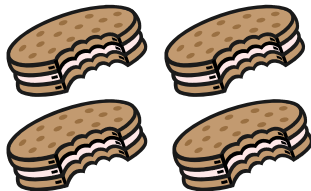


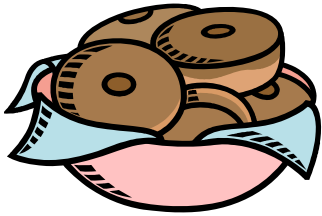
Color one part. Circle the fraction.

| | | |
|--|--|--|
| <p>1.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> | <p>2.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> | <p>3.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> |
| <p>4.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> | <p>5.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> | <p>6.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> |
| <p>7.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> | <p>8.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> | <p>9.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> |
| <p>10.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> | <p>11.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> | <p>12.</p>  <p>$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$</p> |

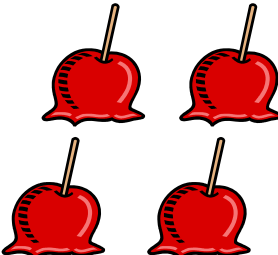
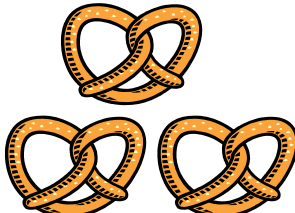
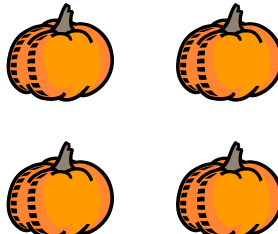

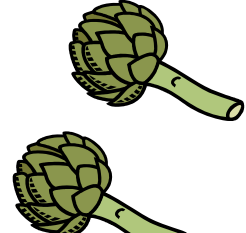
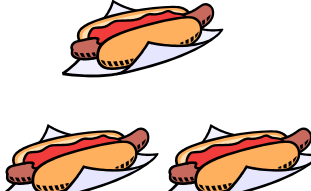
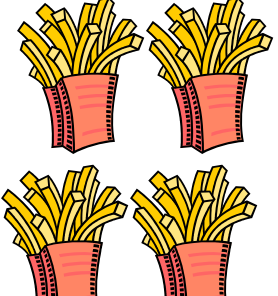
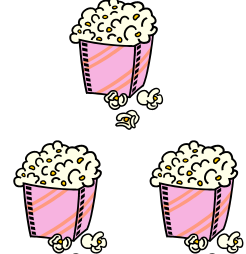
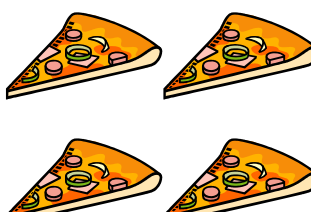


Identifying Parts of a Group

| | | |
|--|--|--|
| <p>1. Circle $\frac{1}{4}$.</p>  | <p>2. Circle $\frac{1}{2}$.</p>  | <p>3. Circle $\frac{1}{3}$.</p>  |
| <p>4. Circle $\frac{1}{3}$.</p>  | <p>5. Circle $\frac{1}{4}$.</p>  | <p>6. Circle $\frac{1}{2}$.</p>  |
| <p>7. Circle $\frac{1}{4}$.</p>  | <p>8. Circle $\frac{1}{3}$.</p>  | <p>9. Circle $\frac{1}{4}$.</p>  |



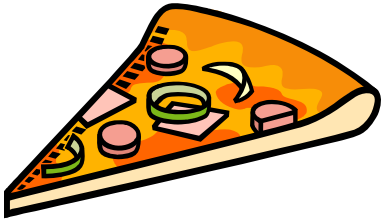
Identifying Parts of a Group

| | | |
|---|---|---|
| <p>1. $\text{Circle } \frac{3}{4} .$</p>  | <p>2. $\text{Circle } \frac{2}{3} .$</p>  | <p>3. $\text{Circle } \frac{1}{4} .$</p>  |
| <p>4. $\text{Circle } \frac{1}{2} .$</p>  | <p>5. $\text{Circle } \frac{1}{2} .$</p>  | <p>6. $\text{Circle } \frac{2}{3} .$</p>  |
| <p>7. $\text{Circle } \frac{1}{4} .$</p>  | <p>8. $\text{Circle } \frac{1}{3} .$</p>  | <p>9. $\text{Circle } \frac{2}{4} .$</p>  |

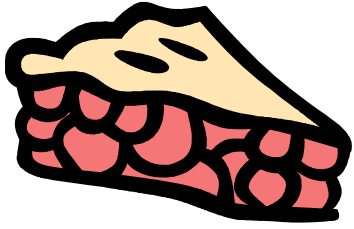
Pizza Fractions

Build the following pizzas using your crayons as indicated:

Pepperoni = Brown Circles
 Green Peppers = Green X's
 Mushrooms = Yellow X's

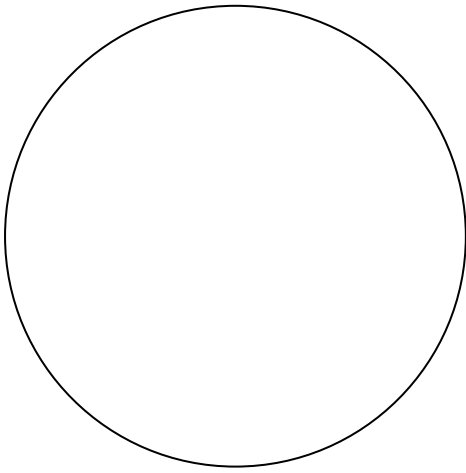


| | | |
|---|---|--|
| <p>$\frac{1}{2}$ pepperoni and $\frac{1}{2}$ plain</p> | <p>$\frac{1}{2}$ pepperoni and $\frac{1}{2}$ mushrooms</p> | <p>$\frac{1}{4}$ pepperoni, $\frac{3}{4}$ plain</p> |
| <p>$\frac{1}{3}$ plain, $\frac{1}{3}$ mushrooms, $\frac{1}{3}$ green peppers</p> | <p>$\frac{1}{4}$ green peppers, $\frac{1}{4}$ mushrooms, $\frac{1}{2}$ plain</p> | <p>$\frac{1}{2}$ green pepper, $\frac{1}{2}$ pepperoni and mushrooms</p> |
| <p>Design and label your pizza using 2 ingredients.</p> | <p>Design and label your pizza using 3 ingredients.</p> | <p>$\frac{2}{3}$ mushrooms, $\frac{1}{3}$ pepperoni</p> |

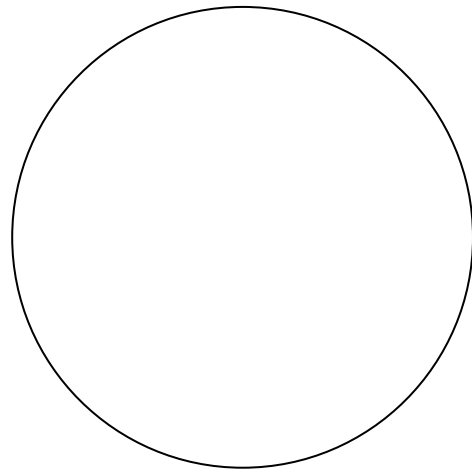


Slicing the Pie

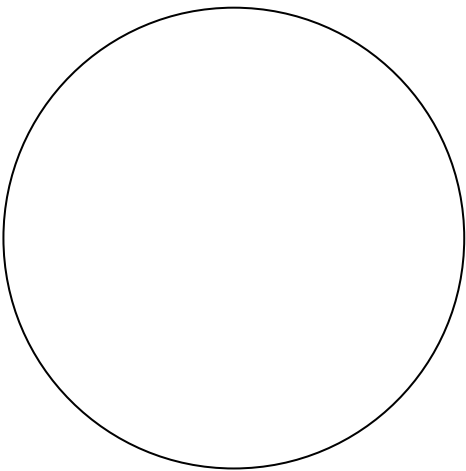
Use straight lines to slice the pie into exactly 4 pieces. Shade 1 piece and name the fraction.



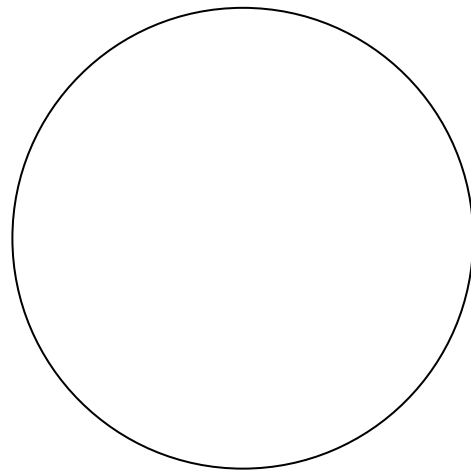
Use straight lines to slice the pie into exactly 2 pieces. Shade 1 piece and name the fraction.



Use straight lines to slice the pie into exactly 4 pieces. Shade 2 pieces and name the fraction.



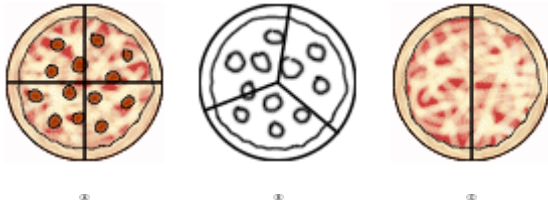
Use straight lines to slice the pie into exactly 3 pieces. Shade 1 piece and name the fraction.



STORY PROBLEMS

Pizza Party

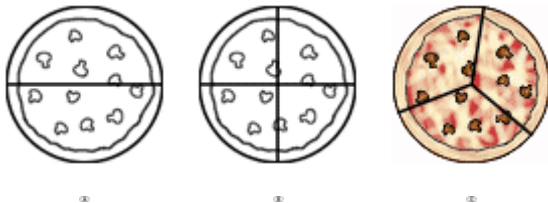
1. David, Noah, and Timothy share a pizza.
The pizza is cut into equal parts.
They will each eat 1 part.
No pizza will be left.
Which is their pizza?



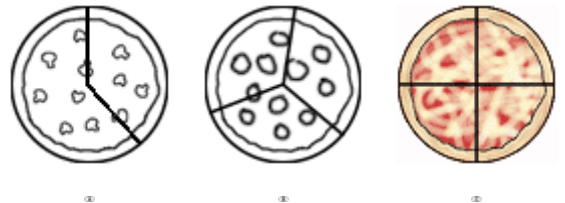
2. Samantha cuts a pizza.
The pizza has 4 parts.
The parts are not equal.
Samantha will eat one piece.
Which is Samantha's pizza?



3. Alyssa cuts a pizza.
The pizza has 3 parts.
The parts are equal.
Alyssa will eat one piece.
Which is Alyssa's pizza?



4. Joshua, Cameron, Courtney, and Joseph share a pizza.
The pizza is cut into equal parts.
They will each eat 1 part.
No pizza will be left.
Which is their pizza?



5. Emily, Hailey, and Jordan share a pizza.
The pizza is cut into equal parts.
They will each eat 1 part.
No pizza will be left.
Which is their pizza?







6. Daniel, Zachary, Mackenzie, and Thomas share a pizza.
The pizza is cut into equal parts.
They will each eat 1 part.
No pizza will be left.
Which is their pizza?







REVIEW

Identifying Fractions



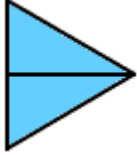

Circle the shape that shows two halves.

| | |
|---|--|
| <p>1.  </p> | <p>2.  </p> |
|---|--|

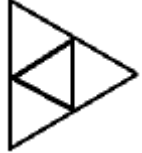


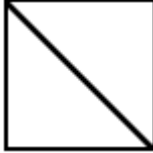
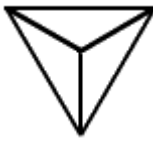

Circle the shape that shows three thirds.

| | |
|---|--|
| <p>3.  </p> | <p>4.  </p> |
|---|--|

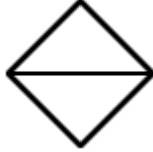
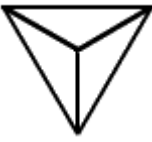
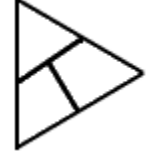



Circle the shape that shows four fourths.

| | |
|--|--|
| <p>5.  </p> | <p>6.  </p> |
|--|--|

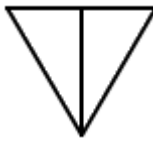
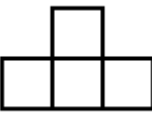
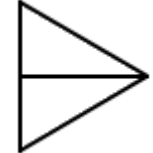
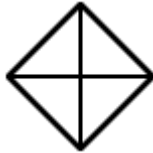


Find the shapes that show halves. Color $\frac{1}{2}$.

| | |
|---|--|
| <p>7.   </p> | <p>8.   </p> |
|---|--|

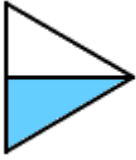

Find the shapes that show thirds. Color $\frac{1}{3}$.

| | |
|---|---|
| <p>9.   </p> | <p>10.   </p> |
|---|---|


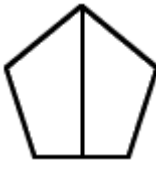
Find the shapes that show fourths. Color $\frac{1}{4}$.

| | |
|--|---|
| <p>11.   </p> | <p>12.   </p> |
|--|---|

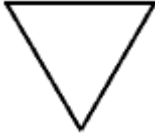
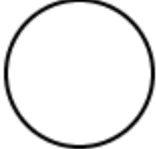
What fraction does the colored part show? Circle the fraction.

| | |
|--|--|
| <p>13.</p>  <p style="text-align: center;"> $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ </p> | <p>14.</p>  <p style="text-align: center;"> $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ </p> |
|--|--|

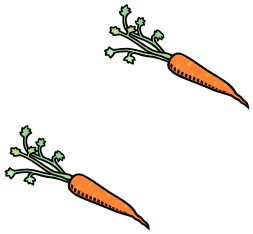
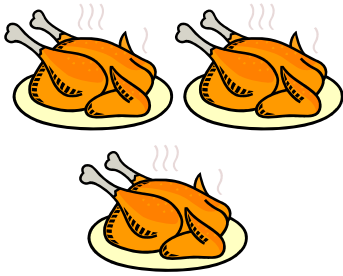
Color one part. Circle the fraction.

| | |
|--|--|
| <p>15.</p>  <p style="text-align: center;"> $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ </p> | <p>16.</p>  <p style="text-align: center;"> $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ </p> |
|--|--|

Complete.

| | |
|--|---|
| <p>17. Draw a line to show fourths.</p> <p>Color $\frac{1}{4}$.</p>  | <p>18. Draw a line to show thirds.</p> <p>Color $\frac{1}{3}$.</p>  |
|--|---|

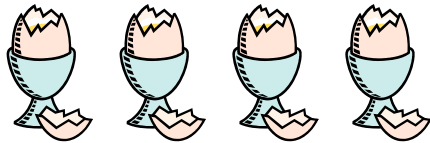
Complete.

| | |
|---|--|
| <p>19. Circle $\frac{1}{2}$.</p>  | <p>20. Circle $\frac{1}{3}$.</p>  |
|---|--|

Complete.

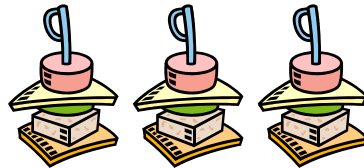
21.

$$\text{Circle } \frac{3}{4} .$$



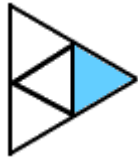
22.

$$\text{Circle } \frac{2}{3} .$$



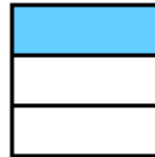
What fraction does the colored part show? Circle the fraction.

23.



$$\frac{1}{2} \quad \frac{1}{3} \quad \frac{1}{4}$$

24.


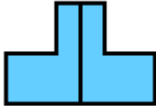




$$\frac{1}{2} \quad \frac{1}{3} \quad \frac{1}{4}$$

TEST

Identifying Fractions





Circle the shape that shows two halves.

| | |
|---|--|
| <p>1.  </p> | <p>2.  </p> |
|---|--|



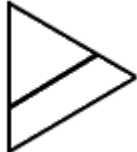
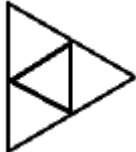


Circle the shape that shows three thirds.

| | |
|---|--|
| <p>3.  </p> | <p>4.  </p> |
|---|--|




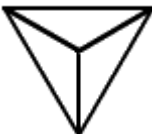

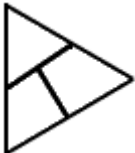
Circle the shape that shows four fourths.

| | |
|---|--|
| <p>5.  </p> | <p>6.  </p> |
|---|--|



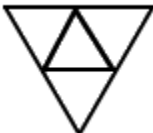


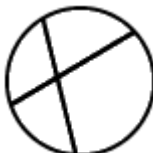
Find the shapes that show halves. Color $\frac{1}{2}$.

| | |
|---|--|
| <p>7.   </p> | <p>8.   </p> |
|---|--|



Find the shapes that show thirds. Color $\frac{1}{3}$.

| | |
|---|---|
| <p>9.   </p> | <p>10.   </p> |
|---|---|



Find the shapes that show fourths. Color $\frac{1}{4}$.

| | |
|--|---|
| <p>11.   </p> | <p>12.   </p> |
|--|---|

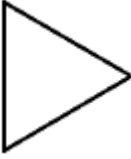

What fraction does the colored part show? Circle the fraction.

| | |
|---|---|
| 13.  $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ | 14.  $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ |
|---|---|

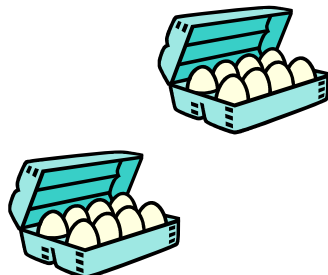

Color one part. Circle the fraction.


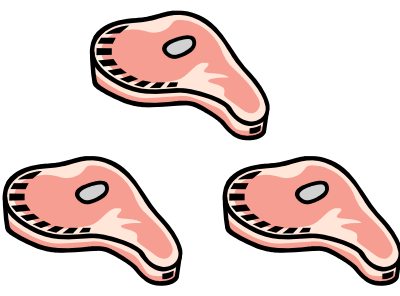
| | |
|---|---|
| 15.  $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ | 16.  $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ |
|---|---|

Complete.

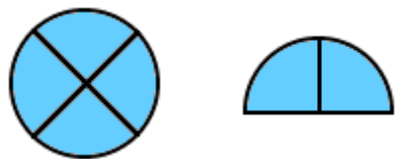
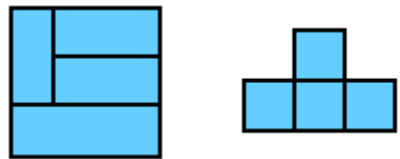
| | |
|---|--|
| 17. Draw a line to show thirds. Color $\frac{1}{3}$.  | 18. Draw a line to show fourths. Color $\frac{1}{4}$.  |
|---|--|

Complete.


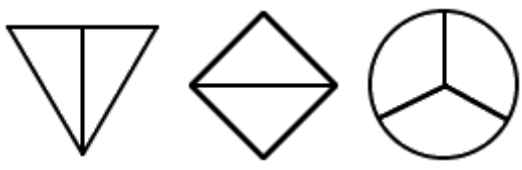
| | |
|---|--|
| 19. Circle $\frac{1}{2}$.  | 20. Circle $\frac{1}{4}$.  |
|---|--|

| | |
|---|--|
| <p>21. Circle $\frac{2}{4}$.</p>  | <p>22. Circle $\frac{1}{3}$.</p>  |
|---|--|

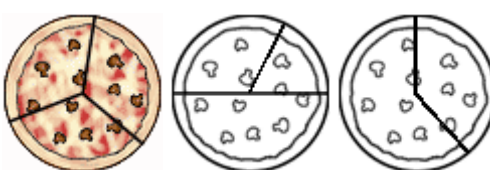
Circle the shape that shows four fourths.

| | |
|--|---|
| <p>23.</p>  | <p>24.</p>  |
|--|---|


Find the shapes that show halves. Color one half.

| | |
|--|---|
| <p>25.</p>  | <p>26.</p>  |
|--|---|

27. John cuts a pizza. The pizza has 3 parts. The parts are not equal. John will eat one piece. Which is John's pizza?



28. Abigail, Makayla, and Rebecca share a pizza. The pizza is cut into equal parts. They will each eat 1 part. No pizza will be left. Which is their pizza?




YOU DID IT!
 You completed "Fractions Level 1"
 Way to Go!