

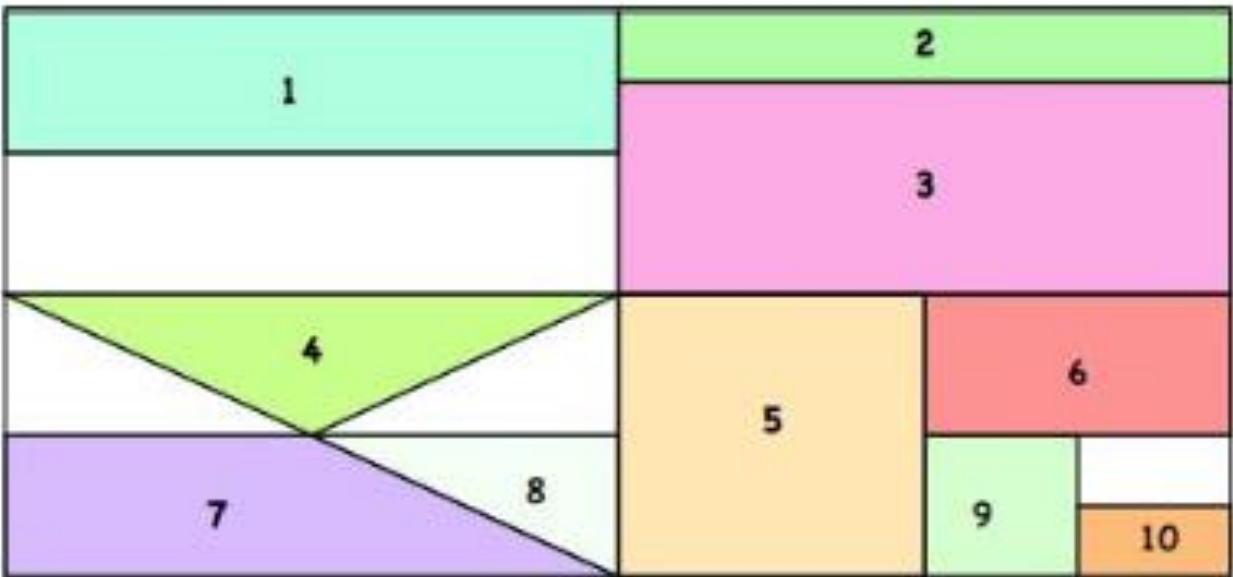
**Island Numeracy  
Assessment Number Sense  
Collaborative Task**

## Fractions Rectangle

\*credit to Nrichmaths.org

The large rectangle above is divided into a series of smaller quadrilaterals and triangles. Each of the shapes is a fractional part of the large rectangle.

Determine what fractional part is represented by each of the ten numbered shapes?



|          |             |           |             |
|----------|-------------|-----------|-------------|
| <b>1</b> | <b>1/8</b>  | <b>6</b>  | <b>1/16</b> |
| <b>2</b> | <b>1/16</b> | <b>7</b>  | <b>3/32</b> |
| <b>3</b> | <b>3/16</b> | <b>8</b>  | <b>1/32</b> |
| <b>4</b> | <b>1/16</b> | <b>9</b>  | <b>1/32</b> |
| <b>5</b> | <b>1/8</b>  | <b>10</b> | <b>1/64</b> |

**Island Numeracy Assessment**  
**Number Sense**  
**Performance Task**

**Show me the money!**

During a game, you and your partner each try to win the most amount of money by turning over three cards

|                   |                             |                   |                                  |                   |                             |
|-------------------|-----------------------------|-------------------|----------------------------------|-------------------|-----------------------------|
| 15% of<br>\$90.00 | $\frac{2}{5}$ of<br>\$35.00 | 25% of<br>\$42.00 | $\frac{16}{20}$<br>of<br>\$10.00 | 3% of<br>\$400.00 | $\frac{1}{6}$ of<br>\$54.00 |
| 13.50             | 14.00                       | 10.50             | 8.00                             | 12.00             | 9.00                        |

Which three cards would give you the greatest possible total?

15 % of 90

$\frac{2}{5}$  of 35

3 % of 400

Complete the cards to create your own values: one greater than and one less than all the cards above.

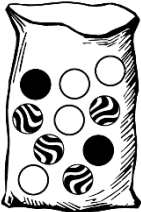


**Greater Than**



**Less Than**

## Island Numeracy Assessment Number Sense A Fractions/ Decimals/ Percent

| Item | Assessment Question  | Comments                     |
|------|--|------------------------------|
| 1    | <p>Circle the values greater than 0.82</p> <p>a. Three quarters<br/> b. 0.815<br/> c. 75%<br/> d. 85/100<br/> e. 810/1000<br/> f. 91%<br/> g. 41/50<br/> h. nine tenths</p>  | d, f, h                      |
| 2    | <p>Susan collected 75 golf balls on the golf course. 6 were pink and 19 were yellow. 50 were white. What percent of the golf balls were neither pink nor yellow?</p>   | 66% (accept 67%, 66.6% etc.) |
| 3    | <p>Circle which of the following is equivalent to 0.6.</p> <p>a. <math>\frac{2}{3}</math><br/> b. <math>\frac{3}{5}</math><br/> c. 6:100<br/> d. 6%</p>  | B                            |
| 4    | <p>Which ratio represents the probability of drawing a black marble from the bag?</p> <div style="text-align: center;">  </div> | 2:10    1:5                  |
| 5    | <p>Which of the following is equivalent to 75%?</p>  | C                            |

|    |  |  |
|----|--|--|
|    | <p>a. 0.075</p> <p>b. <math>\frac{1}{4}</math></p> <p>c. <math>\frac{6}{8}</math></p> <p>d. 7.5</p>  |  |
| 6  | <p>If this circle graph represents your day, which one activity do you spend approximately 25% of your day doing?</p>  | <p>2 acceptable answers</p> <p>School</p> <p>or</p> <p>Computer is also approx. 25%</p>  |
| 7  | <p>Your friend shot the puck into the net 8 out of 12 times during practice.</p> <p>72% of your shots made it into the net.</p> <p>Who did better? Explain how you know with pictures, words or symbols.</p> | <p>You did</p> <p>(<math>8/12 = 67\%</math>)</p>   |
| 8  | <p>Is 80% equivalent to <math>\frac{4}{5}</math>? Use pictures, numbers or words to prove your answer.</p>   | <p>Yes</p>   |
| 9  | <p>Which number is placed incorrectly on the number line?</p> <p>Explain how you know.</p>   | <p><math>11/4 = 22/8</math> but it is placed at <math>19/8</math>.</p>   |
| 10 | <p>How are 0.708 and 0.78 alike? How are they different?</p>   | <p>Possible answers:</p> <p>Alike</p> <ul style="list-style-type: none"> <li>• Both less than 1</li> <li>• Both have 7 tenths</li> </ul> |

|           |   |   |
|-----------|---|---|
|           |   | Different <ul style="list-style-type: none"><li>• 0.78 is greater than 0.708</li><li>• 8 has different values</li></ul> |
| <b>11</b> | Write each fraction as a percent and a decimal. Draw a number line to show how the numbers are related.<br><br>2/5 and 7/20 | $2/5 = 40\% = 0.4$<br><br>$7/20 = 35\% = 0.35$  |