

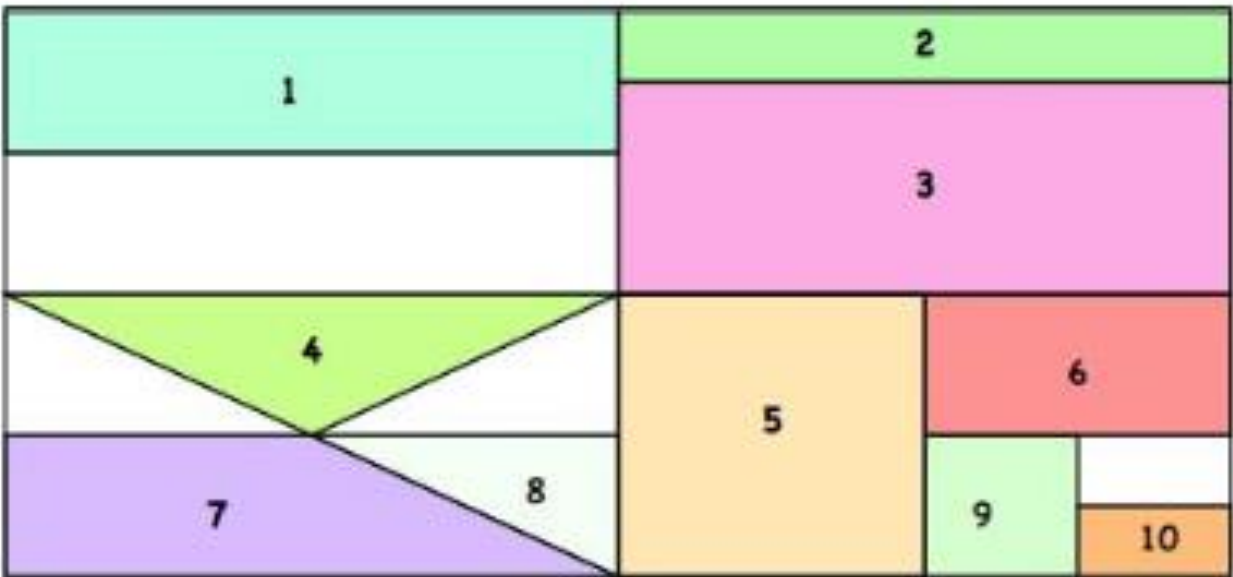
**Island Numeracy Assessment**  
**Grade 7+: Number Sense**  
**Collaborative Task**

## 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

## Grade 7+: 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 \$90.00	$\frac{2}{5}$ of \$35.00	25% of \$42.00	$\frac{16}{20}$ of \$10.00	3% of \$400.00	$\frac{1}{6}$ of \$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.

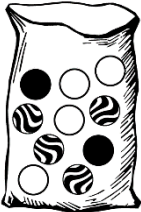


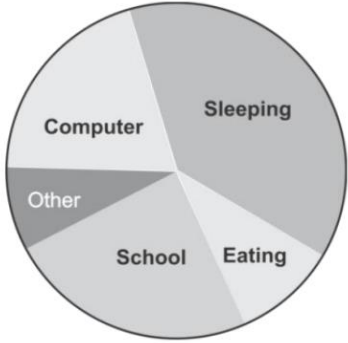
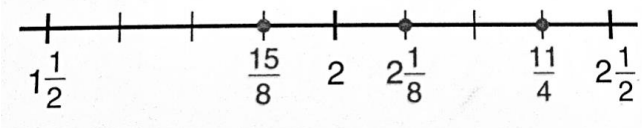
Greater Than



Less Than

## Grade 7+: Number Sense A Fractions/ Decimals/ Percent

Item	Assessment Question	Comments
1	<p>Circle the values greater than 0.82</p> <ul style="list-style-type: none"><li>a. Three quarters</li><li>b. 0.815</li><li>c. 75%</li><li>d. <math>\frac{85}{100}</math></li><li>e. <math>\frac{810}{1000}</math></li><li>f. 91%</li><li>g. <math>\frac{41}{50}</math></li><li>h. nine tenths</li></ul>	d, f, h
2	<p>Susan collected 75 golf balls on the golf course. 6 were pink and 19 were yellow. The rest 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> <ul style="list-style-type: none"><li>a. <math>\frac{2}{3}</math></li><li>b. <math>\frac{3}{5}</math></li><li>c. 6:100</li><li>d. 6%</li></ul>	B
4	<p>Which ratio represents the probability of drawing a black marble from the bag?</p> <div style="text-align: center;"></div>	3:10
5	<p>Which of the following is equivalent to 75%?</p>	C

	<p>a. 0.075  b. <math>\frac{1}{4}</math>  c. <math>\frac{6}{8}</math>  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> 	School
7	<p>Your friend shot the puck into the net 8 out of 12 times during practice.  72% of your shots made it into the net.  Who did better? Explain how you know with pictures, words or symbols.</p>	<p>You did  (8/12 = 67%)</p>
8	<p>Is 80% equivalent to <math>\frac{4}{5}</math>? Use pictures, numbers or words to prove your answer.</p>	Yes
9	<p>Which number is placed incorrectly on the number line?  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:  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.  2/5 and 7/20	$2/5 = 40\% = 0.4$  $7/20 = 35\% = 0.35$