

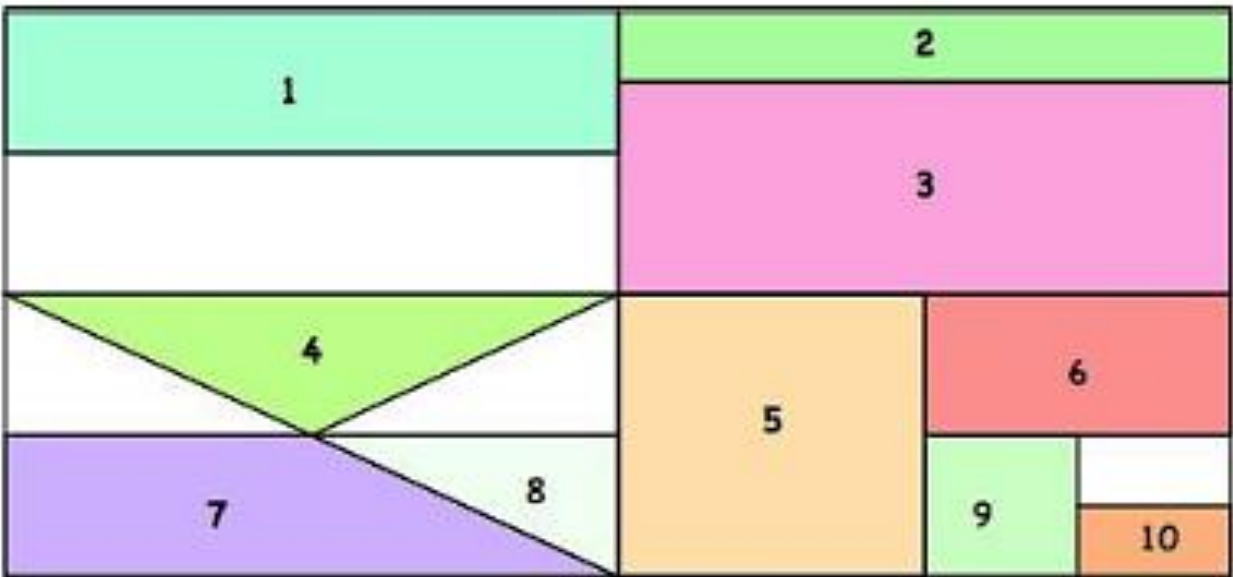
Island Numeracy Assessment
Grade 7+: Number Sense
Collaborative Task

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?



1		6	
2		7	
3		8	
4		9	
5		10	

Island Numeracy Assessment
Grade 7+: Number Sense
Collaborative Task

Show me the money!

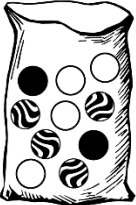
During a game, you and your partner each try to win the most amount of money by turning over three cards.

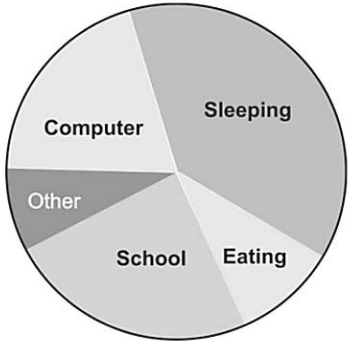
15% of \$90.00	$\frac{2}{5}$ of \$35.00	25% of \$42.00	$\frac{16}{20}$ of \$10.00	3% of \$400.00	$\frac{1}{6}$ of \$54.00
-------------------	-----------------------------	-------------------	-------------------------------	-------------------	-----------------------------

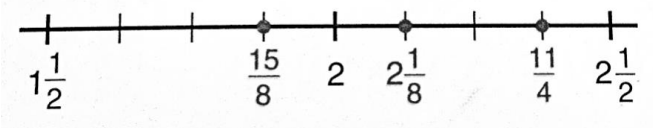
Which three cards would give you the greatest possible total?

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

Island Numeracy Assessment
Grade 7+: Number Sense A
Fractions/ Decimals/ Percent

Item	Assessment Question	Reflections
1	Circle the values greater than 0.82. a. Three quarters b. 0.815 c. 75% d. 85/100 e. 810/1000 f. 91% g. 41/50 h. nine tenths	
2	Susan collected 75 golf balls on the golf course. Six were pink and 19 were yellow. The rest were white. What percent of the golf balls were neither pink nor yellow?	
3	Circle which of the following is equivalent to 0.6. a. $\frac{2}{3}$ b. $\frac{3}{5}$ c. 6:100 d. 6%	
4	Which ratio represents the probability of drawing a black marble from the bag? 	

<p>5</p>	<p>Which of the following is equivalent to 75%?</p> <ul style="list-style-type: none"> a. 0.075 b. $\frac{1}{4}$ c. $\frac{6}{8}$ d. 7.5 	
<p>6</p>	<p>If this circle graph represents your day, which one activity do you spend approximately 25% of your day doing?</p> 	
<p>7</p>	<p>Your friend shot the puck into the net eight out of twelve times during practice.</p> <p>72% of your shots made it into the net.</p> <p>Who did better? Explain how you know using pictures, words or symbols.</p>	
<p>8</p>	<p>Is 80% is equivalent to $\frac{4}{5}$? Use pictures, numbers or words to prove your answer.</p>	

<p>9</p>	<p>Which number is placed incorrectly on the number line? Explain how you know.</p> 	
<p>10</p>	<p>How are 0.708 and 0.78 alike? How are they different?</p>	
<p>11</p>	<p>Write each fraction as a percent and a decimal. Draw a number line to show how these two numbers are related.</p> $\frac{2}{5} \quad \frac{7}{20}$	