







Standards of Mathematical Practice

## **Model with Mathematics**

ipdae

Mathematically proficient students can apply the mathematics they know to solve problems arising in everyday life, society, and the workplace. They are able to **identify important quantities** in a practical situation and **map their relationships** using such tools as diagrams, two-way tables, graphs, flowcharts and formulas. They can **analyze those relationships** mathematically to **draw conclusions**. They routinely **interpret their mathematical results** in the context of the situation and reflect on whether the results make sense, possibly improving the model if it has not served its purpose.

Pimentel, S. (2015). College and Career Readiness Standards for Adult Education. U.S. Department of Education, Office of Vocational and Adult Education. Washington, D.C..

























		Do's and I	Don'ts
Do	Find out and start from what learners know		
	Be sensitive to the fact that many learners may have previously found work on fractions difficult and frustrating		
	Talk about how fractions are used in everyday life		
	Encourage learners to estimate with fractions		
	Make sure any activities are enjoyable, stimulating and include group work   Show fractions in a variety of representations   Encourage learners to talk about fractions		
	Support learners in checking their own work		
	Give lots of thinking time when you ask questions		
	Delay using formal fraction vocabulary until learner	s are ready	
	Use tenths and hundredths and encourage learners another representation of fractions	to see decimals as	
	Make connections with other maths topics		
18	Use lots of visual aids		







