NCTM Content Standards Assessment Rubric

Measurement



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Task Sheet 10

+ 2 Task Sheet

Tons, Pounds, and Ounces

10) Tia was making the following chart of items for a science report. She was listing mammals based on their weight in terms of tons, pounds, and ounces. Tia wanted to be sure she listed the weight in each unit to show just how large the mammals were. She was able to find the weight for certain animals in certain measurements. Help her complete the entire chart by calculating the missing information.



Item	Weight in Tons	Weight in Pounds	Weight in Kile Lams	Weight in Ounces
Blue Whale	190			
Fin Whale	80			
Right Whale			63,503	
Bowhead Whale				2,080,000
Elephant		15,000		
Hippopotamus	3.5			
Rhinoceros			2,268	
Giraffe		3,000		
Water Buffalo	25			
Polar Bear				8,000

Explore With Technology

Using a website or other computer reference tool, look up the difference between a "short ton" and a "long ton." What does each term mean? Why are these two separate terms sometimes used to describe a ton? Write the information you find in the space below.

NAME:						Drill Sheet							
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			D	rill S	hee	t 2							
Conversions													
a)	15 yd =	ft		200 mm =		cm	90 in =		ft				
	900 g =	kg	I	480 oz =		lbs	2 tons =		lbs				
	5 quarts =	go	allons	8 cups =		quarts	160 mL =		L				
	9 km =	m		30.5 ft =		in	5 m =		mm				
Angle Measurement													
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b)	Angle One	0		c Angle		0	d) Angle On	ie	0				
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ej			de me	wiin a side		2 11 1) ?							
f)	What portion of a circle is twice as long as the radius?												
			of OE a										
g)	It a house has an area ot 25 sq. ft (2 sq. m) on a floor plan and the scale is 1:10, how big is the house?												
h)	What is the perimeter of an equilateral triangle with a base of 5 inches (13 cm)?												
i)	Jonathan travels a distance of 150 miles (241 kilometers) by bicycle. He travels for six												
consecutive days, traveling the same amount of miles (kilometer many miles (kilometers) does he travel in two days?								day. Hoʻ	W				
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Money, Money, Money

You have been assigned to work with a design committee to create a new denomination of coin or bill. Your task is to complete the following tasks as you prepare to release the newest denomination within the year.

a) Determine which new denomination of coin or bill would be useful to the public.



- b) Create a name for this new denomination.
- c) Explain why this new denomination could be beneficial to consumers.
- d) Selection for appear on the front of the new coin or bill. This person should be a figure from history who had a positive impact. Explain Magnis person should appear on a unit of currency.
- e) Design the new coin or bill and how it would look.
- f) Unveil the new design for your classmates. Show ten ways it can be combined with other denominations to make change (for example if you invented the nickel, \$1.00 + a nickel = \$1.05).