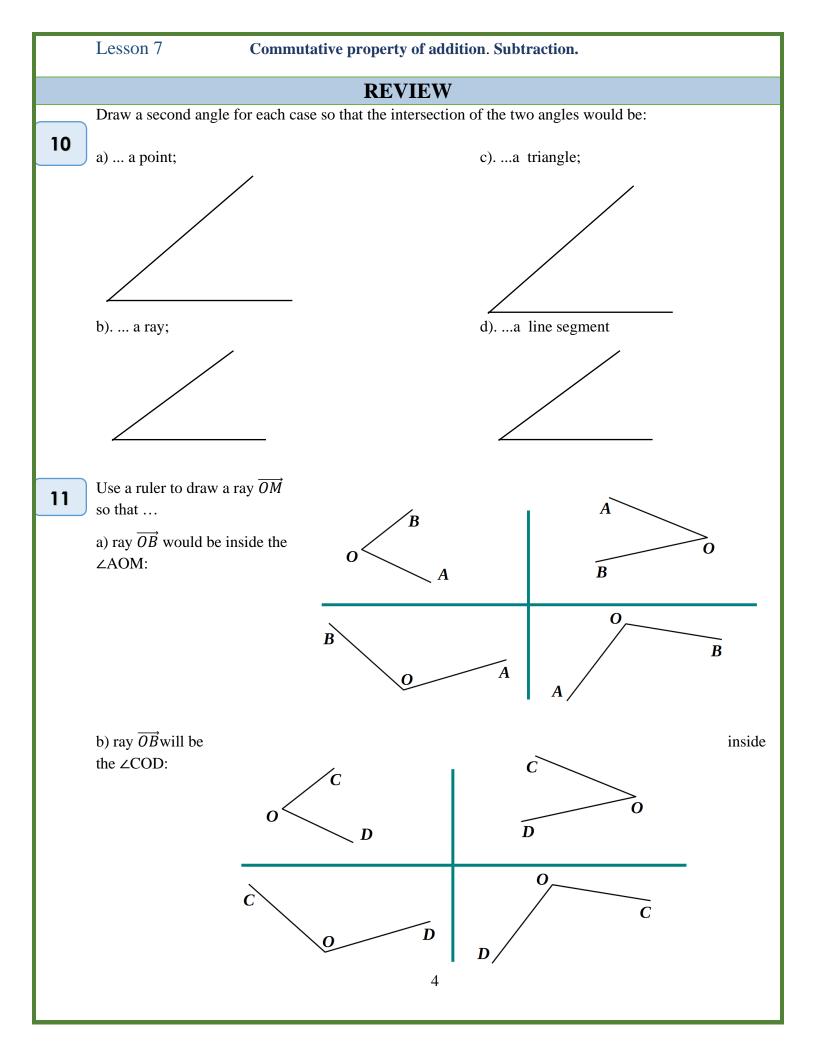


	Lesson 7 Con	nmutative property of	addition. Subtraction.									
		New Mat	erial I									
•		Commutative P	roperty of Addition									
2	Look at the equality: $37 + 1$	5 + 5 = 57.										
	You can find the result (57)	by two different ways:										
	1) First do addition 37 +15,	then add 5 =										
	2) First do addition $15 + 5$, then $37 + \text{result} =$											
	Are the results the same? Which is the correct way?											
Bef		-	erations does not matter. if there is some different order you can add to make									
3	Figure out what is the easy of	order of operations and	calculate:									
5	a) $88 + 28 + 12 =$ b) $45 + 73 + 27 =$ c) $50 + 32 + 50 + 9 =$											
	d) $33 + 38 + 66 =$ e) $39 + 37 + 41 =$ f) $55 + 18 + 22 + 4 =$											
4	When the "look for order" trick can be handy: a) Find: 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 =											
		REVI	EW									
	1m=1	00cm 1dm=10cm	1m=10dm									
5												
	Convert:											
	$6 m = \ dm$	9 m = dm	$5 \text{ m } 9 \text{ dm} = ___ \text{ dm}$									
	$70 \text{ dm} = _\ \text{m}$	$200 \text{ cm} = \underline{\qquad} \text{m}$	48 dm = m dm									
	$300 \text{ cm} = _\ \text{dm}$	400 cm = m	83 dm = m dm									
6	Compare, using <, > or =:											
	5m 4m 9dm		6m 6m10dm									
	9m 81dm		84dm 8m4dm									
	210cm 21dm		350cm30dm5cm									
			2									

		Less	son 7			Co	nmu	tative	proper	rty o	f add	litio	n. Su	btra	ctio	n.					
								N	ew M	lat	eria	al I	Ι								
									Sub	tract	ion										
		Sub	tractic	on wor	d prob	lems	ofte	n featı	ure stori	ies al	oout	losin	ıg, gi	ving	awa	y, sp	endiı	ng oi	r eatii	ng.	
7			-	problei d 4 car		He g	ave 2	to his	friend.	Hov	v ma	ny ca	andie	s do	es he	e hav	e nov	w?			
		b) Etan had 4 dozen candies. He gave 2 dozen to his friend. How many candies does he h												have	e now	/?					
		c) Etan had 4 hundred candies. He gave 2 hundred to his friend. How many candies does he have now?																			
			Subtraction with "regrouping"																		
		To "regroup" means to convert a ten to 10 ones or a hundred to 10 tens, etc.																			
						А	fter r	egrou	ping, yo	ou ca	n "bo	orrov	v"11	en o	r 1hı	undre	ed				
		Calc	ulate:																		
		3	2			4	5			6	4				1	0	1				
	-		8		-	1	6		-		9			-			9				
		(Pres	ent yo	our cal	culatio	on ve ook v	ertica vhich	lly) 1 has 2	cm sho 30 page lculatio	es. Fo	or the	e last							ges. H	łow 1	nany
		F - 8 -					,					- ,									
											3										

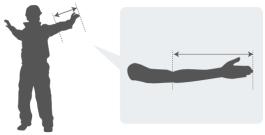


Lesson 7

Did you know ...

How did people measure length?

The way base units of length have been determined has changed dramatically over time. Long ago, the base for reference was the human body. For example, the cubit was a unit that indicated the length from the elbow to the fingertips. This unit was used in ancient cultures in Mesopotamia, Egypt, and Rome. The length varied from region to region, ranging from 450 to 500 mm. Studies have proven that Egypt's pyramids, known for their accurate construction, were built using two types of cubits: a long one and a short one. It is said that the standard measure of length in these eras was the body of the country's ruler or some other powerful individual. Even today, units of length based on the human body are used in countries such as the United States, such as the yard, foot, and inch.



Length units based on the human body were used for

thousands of years. This continued until a significant change took place around 200 years ago. As the Age of Discovery came to an end and industry grew primarily in Western Europe, it became necessary to unify length units on a global scale.

The metric system was first developed in France during the French Revolution. A French law passed in 1795 defined five units of measure. Three of them are still in use today. They are the meter, the unit of length, the gram that is the unit of mass, and the liter, the unit of volume.

In 1960 the rules for the metric system were revised. The revised system was called the "International System of Units" (which is often written "SI" for short). The definition of SI also included rules for writing SI quantities. These rules are the same for all languages.

In the metric system, the length is measured in meters. The symbol for the meter is the letter "m." The meter was originally defined as 1/10,000,000 of the distance between the North Pole and the Equator on the meridian that passed through Paris. In 1799, a platinum bar equal to this length was made and became the "prototype meter."

In the metric system, all units have a "symbol." Symbols are a shorthand way of writing the names of units.

The imperial system works with units that are still used in the United Kingdom, Canada, and other countries formerly part of the British Empire.

Only three countries officially use the Imperial system – The United States, Myanmar (Burma), and Liberia, making up 5% of the world's population using that system.