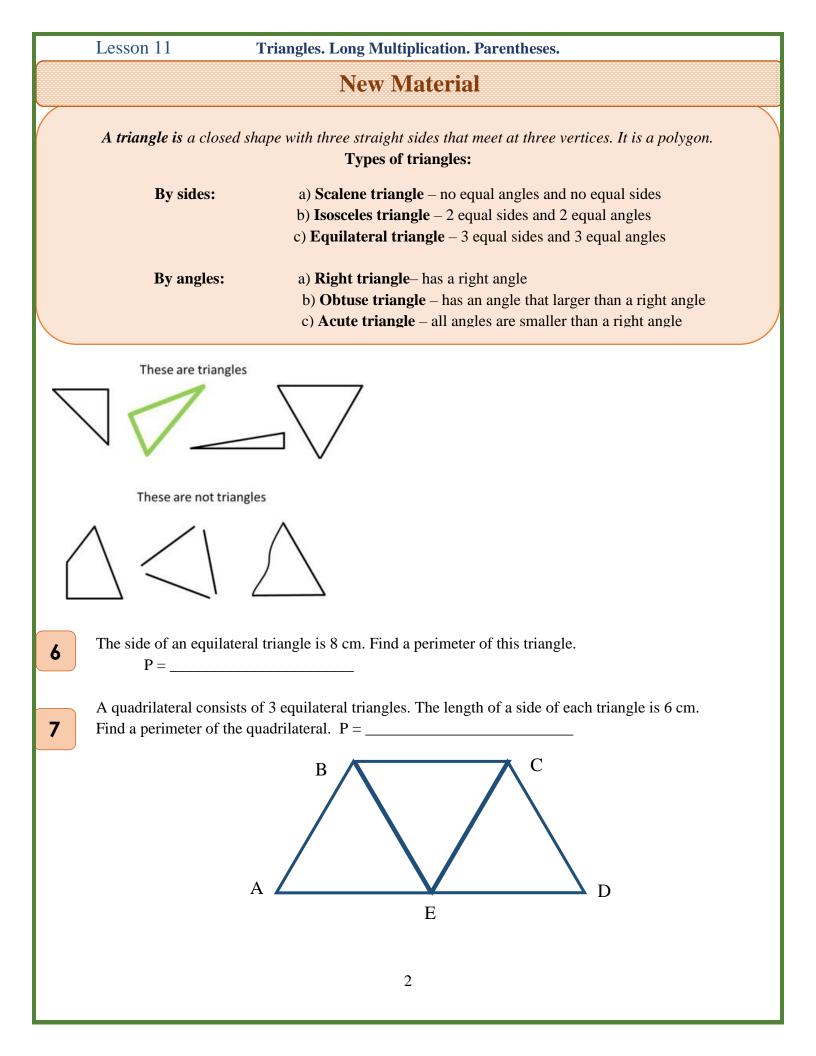
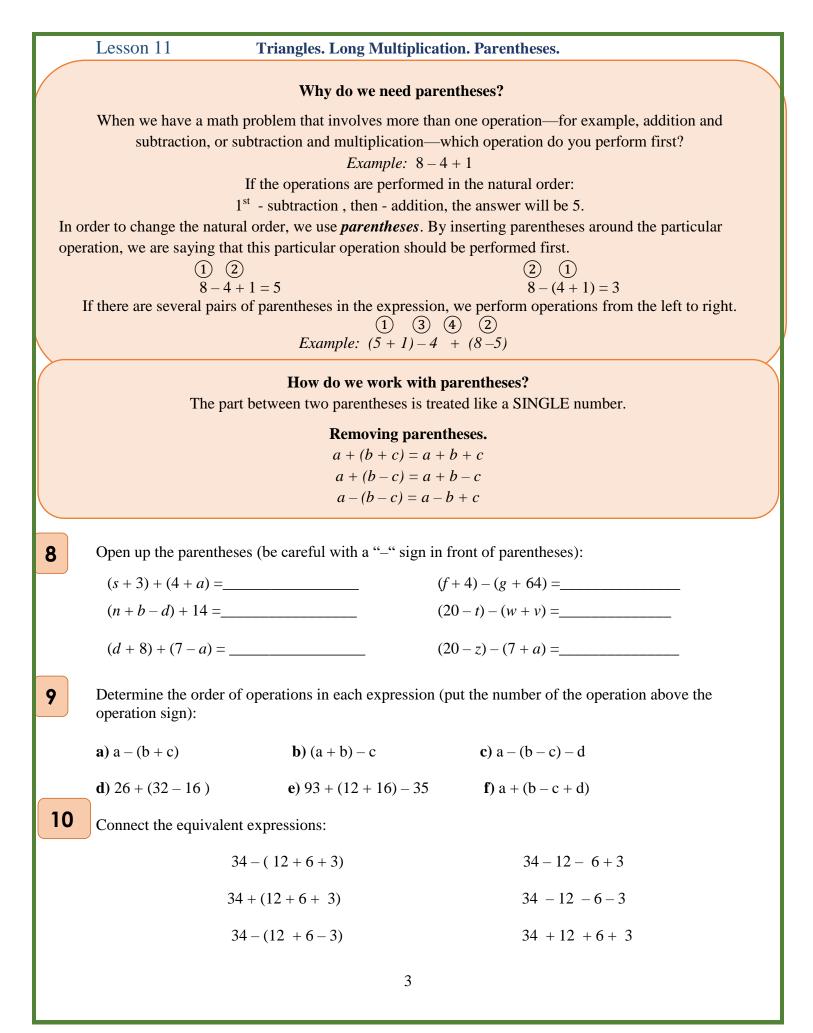
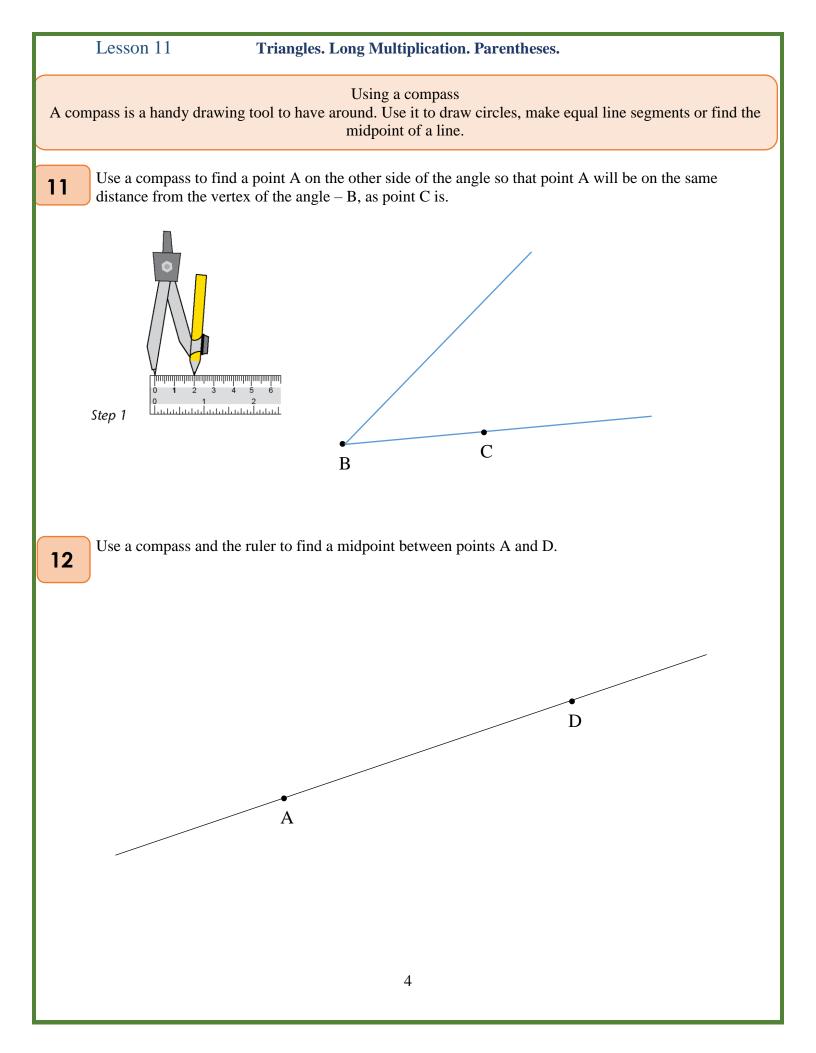
S	chool S	Math 3 Classwork 11
		Warm-Up
1	Write the missing numbers to make $12 \times \_= \_ \times 10$ $\_ \times 6 = \_ \times 3$ $\_ \times 2 = \_ \times 4 = \_ \times 8$	
2	Complete the mixed addition and su	ubtraction calculations (use the most optimal way)
	51 - 42 + 49 =	77 - 63 - 7 =
	63 + 12 - 25 =	32 - 45 + 68 =
3	<ul><li>d) Eight threes are subtracted from</li><li>Solve the problems:</li><li>a) Dad works 8 hours a day, 5 days</li></ul>	racted from 15 so the result is 0? acted from 24 so the result is 0? number and the result is 2. What is the number? the number and the result is 1. What is the number? a week. How many hours a week does dad work? very day. He has been reading a book for 4 days. On the fifth
		Homework Review
5	Solve for <i>x</i> : (630 - x) + 210 = 500	(x + 190) - 370 = 330









## Multiplication 2 digit numbers by 1 digit numbers without regrouping.

**One – Digit – One – Line method** (using the column form)

The column form is the most common way to solve 2-digit by 1-digit multiplication problems. This is also called the standard method.

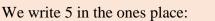
First, arrange the numbers in column form.

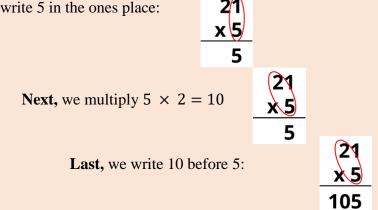


Write the 2-digit number at the top, and the 1-digit number at the bottom.

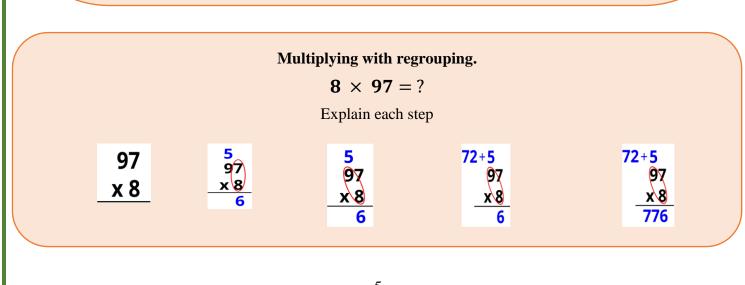
Also, remember to align the place values correctly.

**Then** start multiplying with the numbers on the right.  $5 \times 1 = 5$ 

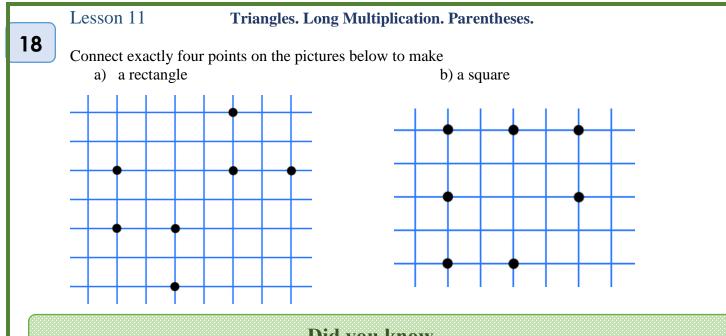




Our answer is 105! In this simple case, we can check our answer by performing an addition: 21 + 21 + 21 + 21 + 21 = 105.



	L	ess	on	11					Tri	ang	gles.	Loi	ng N	Mul	tip	licat	ion.	Pa	ren	the	ses.								
3	Calculate: $19 \times 5 =$								47 × 4 =										63 × 6 =										
												_							-				_						
													1	RE	VI	EW													
4	E	valı	ıate	e ea	ch	expi	ess	sion	ı bel	ow	wh	en n	n = 2	20													<u></u>		
	15	5+	<i>n</i> =	=				33	- n	. =				п	×	4 =				2	×	1+	n =	=					
	_									  		10																	
						ar sv					l is	10 n	nete	rs v	vide	e anc	15	met	ters	lon	g. V	Vha	it is	its	s pe	rin	nete	er?	
	SI	ne v	van	ts t	o fe		th	e ga	arde	n w		of ler a roj	-										?						
'	Н	ow	ma	ny	pol	ygo	nal	ch	ains	coi	nne	ct po	oints	s A	anc	B?	Con	npai	re tl	heir	len	gth	5.						
							/								/								/	/					
		1	A	<			/	<u></u>							/					>			/	/	^				> <sup>F</sup>



Did you know ...

What's with all the Triangles? They seem to be everywhere. The Triangle has a rich and complex history and has, since early civilizations, been the symbol of the trilogy (or "triad") that makes all existence possible.

Triangles are among the most important objects studied in mathematics owing to the rich mathematical theory built up around them in **Euclidean geometry** and **trigonometry**, and also to their applicability in such areas as astronomy, architecture, engineering, physics, navigation, and surveying.

The origins of right triangle geometry can be traced back to 3000 BC in Ancient Egypt. The Egyptians used special right triangles to survey land by measuring out 3-4-5 right triangles to

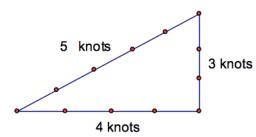


make right angles. The Egyptians most studied specific examples of right triangles.

Ancient builders and surveyors needed to be able to construct right angles in the field on demand. The method

employed by the Egyptians earned them the name "rope pullers" in

Greece, apparently because they employed a rope for laying out their construction guidelines. One way that they could have employed a rope to construct right



triangles was to mark a looped rope with knots so that, when held at the knots and pulled tight, the rope must form a right triangle. The simplest way to perform the trick is to take a rope that is 12 units long, make knot 3 units from one end and another 5 units from the other end, and then knot the ends together to form a loop. Try to make one yourself.