NAME:	Date:	Teacher:	



DAMAGE REPORT! Repair Costing







So you've made your building, calculated how much it costs to build, and shook it on the shake table! A building that undergoes an earthquake can be damaged, and it takes careful checking to be sure how much the building has to be repaired! Sometimes joints come loose, beams snap, and walls crack. Your job is to be an investigator and report how much your structure was damaged after it underwent an earthquake and find how much it will cost you to repair all the damages!

Numl Numl Numl Numl	per of broken/loos	n off	ce) _		
	nderstand them! R	must be able to she ecord your results	from above in the b		sentation s
10 9 8 7 6 6 5 4 3 2 1		Building Dan	nage Keport		
0 Describ	Loose Joints be what happened to	Loose beams your structure during	Loose walls	Fallen Piece	

		Dat	e:		Teacher:		
What would	l you d	o to make you	r building stro	onger?			
COST ANAI				.1.1.	1		
_	t how n	nuch it will co	-	_		fix it! Use the chart ture, then find the total	
	L	Loose joints		ose beams, es, columns Loose wall		s Fallen pieces	
Cost to repair		\$2	\$10		\$20	\$35	
3 beams X \$10 per Loose joints Loose Bean columns			Loose Walls		Fallen Pieces		
\$2	4	\$10 x	#heams		\$20	\$35	
<u>k </u> #join	TS	<u>A</u>	#UCallis	X	#walls	<u>x</u> #fallen	
Cost to fix joints	st to fix joints Cost to fix beams, braces columns		eams, braces,	Cost to fix walls		Cost to fix fallen pieces	
Now add each co to find the total of		Cost to f	fix joints: fix beams, bra	ces, colu	ımns:		
			fix walls: fix fallen niece	ac.	+		
		Cost to I	fix fallen piece	JS.	-		