

# Nā Ana Pili Helu - Papa 3

Unuhi 'ia mai CCSS

Domain	Cluster	Code	Ke Ana	Nā Kakaha
<b>Nā Hana Ho'omākalakala a me ka Mana'o Hō'ailona Helu</b>  Operations and Algebraic Thinking	<b>Hō'ike a ho'omākalakala i nā polopolema~ nane pilihelu~ nane ha'i ho'onui a pu'unaue</b>  Represent and solve problems involving multiplication and division.  <b>(1.1)</b>	<b>3.OA.A.1</b>	<b>E 'imi i ka hualoa'a o nā helu piha, e la'a, 5x7 he 'elima pū'ulu nona 7 mea pākahi.</b>  Unuhi i ka hualoa'a o nā helu piha, e la'a, unuhi i ka 5 x 7 he huina nui o nā mea a pau ma loko o 5 pū'ulu o 7 mea. He la'ana, hō'ike 'ano i kekahi wā e hiki ai ke hō'ike i ka huina nui ma o ka 5 x 7.	
		<b>3.OA.A.2</b>	<b>E 'imi i ka helupuka piha o nā helu piha, e la'a, e ho'opū'ulu i 56 mea ma 8 pū'ulu/māhele like he 7 mea ma nā pū'ulu pākahi a i 'ole 56 mea ma 7 pū'ulu like, 8 mea ma nā pū'ulu pākahi.</b>  Unuhi i ka helupuka piha o nā helu piha, e la'a, unuhi i ke $56 \div 8$ he heluna o nā mea o nā mahele pākahi a pau i ka ho'omahелеhele 'ana i 56 mau mea i 8 mahele like, a i 'ole he heluna o nā mahele a pau i ka ho'omahелеhele 'ana i 56 mau mea i nā mahele like o 8 mau mea. He la'ana, hō'ike i kekahi wā e hiki ai ke hō'ike 'ia kekahi mau mahele a i 'ole kekahi mau hui ma o ke $56 \div 8$ .	
		<b>3.OA.A.3</b>	<b>E ho'ohana i ka ho'onui a me ka pu'unaue a i ka 100 e ho'omākalakala i ka naneha'i me nā hui, nā lau, nā ana- me nā ki'i, ha'ihelu no ka polopolema.</b>  Ho'ohana i ka ho'onui a me ka pu'unaue a i ka 100 no ka ho'omākalakala 'ana i nā polopolema hua'ōlelo~mo'olelo nane ha'i e pili i nā mahele like, i nā lau huinahā lō'ihi, a i nā heluna ana, e la'a, ma o ka ho'ohana 'ana i nā ki'i a me nā ha'ihelu e loa'a ka hō'ailona no ka helu i 'ike 'ole 'ia e kū no ka polopolema~nane pilihelu~nane ha'i.	
		<b>3.OA.A.4</b>	<b>E ho'ohana i ka pu'unaue a i ka 100 e huli no ka naneha'i me nā hui, nā lau, nā ana- me nā ki'i, ha'ihelu no ka polopolema.</b>	

		<p>‘Imi i ka kino piha i ‘ike ‘ole ‘ia ma ka ha‘ihelu/hopunahelu ho‘onui a i ‘ole pu‘unaue e ho‘opili ana i 3 mau helu piha. He la‘ana, ho‘oholo i ka helu i ‘ike ‘ole ‘ia e pololei ai nā ha‘ihelu pākahi a pau i hō‘ike ‘ia <math>8 \times ? = 48</math>, <math>5 = \underline{\quad} \div 3</math>, <math>6 \times 6 = ?</math>.</p>	
	<p><b>Maopopo nā ‘anopili o ka ho‘onui ‘ana a me ka pilina o ka ho‘onui me ka pu‘unaue</b></p> <p>Understand properties of multiplication and the relationship between multiplication and division.</p> <p>(1.2)</p>	<p><b>3.OA.B.5</b></p> <p><b>Maopopo ka pilina o <math>4 \times 6</math> a me <math>6 \times 4</math> (ke ‘anopili ho‘i hope o ka ho‘onui)</b></p> <p><b>Maopopo ka pilina o <math>3 \times 5 \times 2</math> a me <math>3 \times 5 = 15</math>, a <math>15 \times 2 = 30</math> (‘anopili ho‘olike o ka ho‘onui)</b></p> <p><b>Maopopo ka pilina o <math>8 \times 7 = 8 \times (5+2) = (8 \times 5) + (8 \times 2) = 40 + 16 = 56</math> (‘anopili ho‘oili)</b></p> <p>Ho‘ohana i nā ‘anopili hana ho‘omākalakala ma ke ‘ano he ka‘akālai e ho‘onui a e pu‘unaue. Nā la‘ana: Inā maopopo ka <math>6 \times 4 = 24</math>, no laila maopopo nō ho‘i ka <math>4 \times 6 = 24</math>. (Ke ‘anopili ho‘i hope o ka ho‘onui.) Hiki ke loa‘a ka <math>3 \times 5 \times 2</math> ma ka ho‘onui ‘ana i ka <math>3 \times 5 = 15</math> a laila ka ho‘onui ‘ana i ka <math>15 \times 2 = 30</math>, a i ‘ole hiki ke loa‘a ma ka ho‘onui ‘ana i ka <math>5 \times 2 = 10</math> a laila ka ho‘onui ‘ana i ka <math>3 \times 10 = 30</math>. (Ke ‘anopili ho‘olike o ka ho‘onui.) I ka maopopo ‘ana mai o ka <math>8 \times 5 = 40</math> a o ka <math>8 \times 2 = 16</math>, hiki ke loa‘a ka <math>8 \times 7</math> ma o ka <math>8 \times (5 + 2) = (8 \times 5) + (8 \times 2) = 40 + 16 = 56</math> (Ke ‘anopili ho‘oili.) (‘A‘ole ko‘iko‘i kā ka haumana ho‘ohana ‘ana i kēia mau hua‘ōlelo no kēia mau ‘anopili.)</p>	
		<p><b>3.OA.B.6</b></p> <p><b>Mōakāka ka pilina o ka pu‘unaue a me ka ho‘onui (<math>32 \div \underline{\quad} = 4</math> a i ‘ole <math>32 \div 8 = \underline{\quad}</math>)</b></p> <p>Maopopo ka pu‘unaue he polopolema~nane pilihelu~nane ha‘i nona ka helu ho‘onui ‘ike ‘ole ‘ia. He la‘ana, pu‘unaue i ka <math>32 \div 8</math> ma o ka loa‘a ‘ana mai o ka helu e pono ai e ho‘onui me ka 8 no ka loa‘a ‘ana o ka 32.</p>	
<p><b>Ho‘onui a pu‘unaue a i ka 100</b></p> <p>Multiply and divide within 100.</p> <p>(1.3)</p>	<p><b>3.OA.C.7</b></p> <p><b>Walea i ka ho‘onui a i ka 100 e ho‘ohana ana i nā ka‘akālai ma o ka pilina o ka ho‘onui a me ka pu‘unaue. e la‘a- <math>8 \times 5 = 40</math> a like me <math>40 \div 5 = 8</math></b></p> <p><b>Pa‘a nō nā hualoa‘a a pau o nā helu kikoho‘e ho‘okahi.</b></p> <p>Ho‘onui pono a pu‘unaue pono a i ka 100, me ka ho‘ohana ‘ana i nā ka‘akālai e like me ka pilina o ka ho‘onui i ka pu‘unaue (e la‘a, ka ‘ike i ka <math>8 \times 5 = 40</math>, no laila ‘ike nō ho‘i i ke</p>		

			40 ÷ 5 = 8) a i 'ole nā 'anopili hana ho'omākalakala. I ka pau 'ana mai o ka Papa 3, ho'opa'a na'au 'ia nā hualoa'a a pau o nā helu kikoho'e ho'okahi.	
	<p><b>Ho'omākalakala i nā polopolema ~nane pilihelu ~nane ha'i e pili i nā hana ho'omākalakala, a ho'omaopopo a wehewehe i nā launa o ka pilihelu~makemakik a.</b></p> <p>Solve problems involving the four operations, and identify and explain patterns in arithmetic.</p> <p><b>(1.4)</b></p>	<b>3.OA.D.8</b>	<p><b>E ho'ohana i nā hana ho'omākalakala 'ehā i nā polopolema nona 2 'anu'u/ka'ina hana.</b></p> <p>Ho'ohana i nā hana ho'omākalakala 'ehā i nā polopolema hua'ōlelo~mo'olelo nane ha'i e ho'omākalakala 'ia ma 2 ka'ina hana. Hō'ike i kēia mau polopolema~nane pilihelu~nane ha'i ma o ka ha'ihelu nona ka hua palapala e kū ana no ka helu i 'ike 'ole 'ia. Hō'oia i ke kūpono o nā ha'ina ma o ka helu na'au a me nā ka'akālai koho, me ke kolikoli 'ana nō ho'i. (Kaupalena 'ia kēia anaa'o i nā polopolema~nane pilihelu~nane ha'i o nā helu piha a o nā ha'ina helu piha; e 'ike nā haumāna i ka hana ho'omākalakala i ke ka'ina kūmau i ka 'ole o nā kaha 'apo e hō'ike ana i ke ka'ina e pono ai.)</p>	
		<b>3.OA.D.9</b>	<p><b>E ho'omaopopo i nā lauana helu ma ka pākuhi ho'ohui a me ka ho'onui a wehewehe ma ka ho'ohana 'ana i nā 'anopili helu.</b></p> <p>Ho'omaopopo i nā lauana helu (me nā lauana o ka pakuhi ho'ohui a i 'ole ka pakuhi ho'onui), a wehewehe i ia mau lauana ma o nā 'anopili o nā hana ho'omākalakala. He la'ana, nānā pono i ka ho'onui 'ana i kekahi helu me ka 4, a 'ike i ke kaulike o ka hualoa'a i nā manawa a pau, a wehewehe i ke kumu e hiki ai ke ho'omahele i ka loa'a o ka helu e ho'onui 'ia me ka 4 ma 'elua helu ho'ohui like.</p>	
<p><b>Nā Helu a me nā Hana Ho'omākalakala ma ke Kumu Ho'onui Pā'umi</b></p> <p>Number and Operations in Base Ten</p>	<p><b>Ho'ohana i ka 'ike kūana helu a me ka 'ike 'anopili hana ho'omākalakala e ho'omakalakala i nā helu lau kikoho'e.</b></p> <p>Use place value understanding and properties of</p>	<b>3.NBT.A.1</b>	<p><b>E ho'ohana i ke kūana helu e kolikoli i nā helu piha i ka 10 kokoke loa.</b></p> <p><b>E ho'ohana i ke kūana helu e kolikoli i nā helu piha i ka 100 kokoke loa.</b></p> <p>Ho'ohana i ka 'ike kūana helu e kolikoli i nā helu piha i ka 10 a i 'ole ka 100 kokoke loa.</p>	
		<b>3.NBT.A.2</b>	<p><b>E ho'ohana i nā ka'akālai like 'ole e ho'ohui a lawe/ho'olawe a i 1000.</b></p> <p>Ho'ohui pono a ho'olawe pono a i ka 1000 me ka ho'ohana 'ana i nā ka'akālai a i nā ka'ina ha'ilula i ho'okumu 'ia ma ke kūana</p>	Ka'ina Ha'ilula - Algorithm

	operations to perform multi-digit arithmetic.		helu, nā ‘anopili hana ho‘omākalakala, a me/a i ‘ole ka pilina o ka ho‘ohui me ka ho‘olawe. (Hiki ke ho‘ohana ‘ia nā ka‘ina ha‘ilula like ‘ole.)	
	(2.1)	<b>3.NBT.A.3</b>	<b>E ho‘onui i nā helu piha ho‘okahi kikoho‘e ma ka ho‘ohana ‘ana i nā helu pā‘umi mai ka 10-90, ho‘ohana ‘ia nā ka‘akālai kūana helu a me nā ‘anopili helu.</b>  Ho‘onui i nā helu piha kikoho‘e ho‘okahi me nā pā‘umi o ka 10-90 (e la‘a, 9 x 80, 5 x 60) me ka ho‘ohana ‘ana i nā ka‘akālai i ho‘okumu ‘ia ma ke kūana helu a me nā ‘anopili hana ho‘omākalakala. (Hiki ke ho‘ohana ‘ia nā ka‘ina ha‘ilula like ‘ole.)	
<b>Nā Helu a me nā Hana Ho‘omākalakala : Nā Hakina</b>  Number and Operations: Fractions	<b>Ho‘omōhala i ka ‘ike no nā hakina ma ke ‘ano he mau helu</b>  Develop understanding of fractions as numbers.  (2.2)	<b>3.NF.A.1</b>	<b>He mahele ka hakina o kekahi mea piha. (māhele o ke kino piha)</b>  <b>‘Ike ‘ia, ‘o ka hakina he mahele o kekahi mea piha.</b>  Maopopo ka hakina 1/e ‘o ia ka nui e loa‘a ma 1 mahele ke ho‘omahele ‘ia ka piha holo‘oko‘a i “e” mau mahele like; maopopo ka hakina a/e ‘o ia ka nui e loa‘a ma “a” mau mahele o ka nui 1/e.	
		<b>3.NF.A.2</b>	<b>‘Ike ‘ia ‘o ka hakina kekahi helu ma ka laina helu; hō‘ike i ka hakina ma ka laina helu.</b>  Maopopo ka hakina he helu ma ka laina helu; hō‘ike i ka hakina ma ke ki‘ikuhi laina helu. a. Hō‘ike i ka hakina 1/e ma ke ki‘ikuhi laina helu ma o ka wehewehe ‘ana i ka wā o ka 0 a i ka 1 he piha holo‘oko‘a a me ka ho‘omahele ‘ana iā ia i “e” mau mahele like. Ho‘okū‘ike i nā mahele pākahi a pau no lākou ka nui 1/e a ‘o ke kiko hopena o ka mahele i ho‘okumu ‘ia ma ka 0 kahi o ka helu 1/e ma ka laina helu. e. Hō‘ike i ka hakina a/e ma ke ki‘ikuhi laina helu ma o ke kaha ‘ana i nā lō‘ihi 1/e mai ka 0. Ho‘okū‘ike i ka hopena ‘o ia ka wā nona ka nui a/e a kahi kono kiko hopena i kahi o ka helu a/e ma ka laina helu.	
		<b>3.NF.A.3</b>	<b>Wehewehe i ke like o kekahi mau hakina kūkikwā, a ho‘ohālikelike i nā hakina ma o ka no‘ono‘o pono ‘ana e pili ana i ko lākou nui.</b>  a. Maopopo ‘elua hakina like inā like ko lāua nui a i ‘ole like ko lāua wahi ma ka laina helu.	

			<p><b>Maopopo i ka like o ‘elua hakina inā like ko lāua nui a i ‘ole ko lāua wahi/kūlana ma ka laina helu.</b></p> <p>e. Ho‘okū‘ike a hana i nā hakina like ma‘alahi, e la‘a, <math>1/2 = 2/4</math>, <math>4/6 = 2/3</math>. Wehewehe i ke kumu e like ai nā hakina, e la‘a, ma o ke ki‘ikūkohu hakina no ka nānā ‘ana mai.</p> <p><b>‘Imi i nā hakina like a nohie.</b></p> <p>i. Hō‘ike i nā helu piha ma nā hakina, a ho‘okū‘ike i nā hakina e like me nā helu piha. He la‘ana: Hō‘ike i ka 3 ma ke kino <math>3 = 3/1</math>; ho‘okū‘ike i ka <math>6/1 = 6</math>; huli a loa‘a <math>4/4</math> a me ka 1 i kahi o ke kiko like ma ke ki‘ikuhi laina helu.</p> <p><b>Kākau i nā helu piha ma ke ‘ano he hakina, e la‘a, <math>3/3 = 1</math> piha o <math>3/1 = 3</math> piha</b></p> <p>o. Ho‘ohālikelike i ‘elua mau hakina me ka ho‘ohelu~kinohapa ho‘okahi a i ‘ole ka mahele~kinopiha ho‘okahi ma o ka no‘ono‘o pono ‘ana e pili ana i ko lāua nui. Ho‘okū‘ike i ke kūpono o ka ho‘ohālikelike ‘ana i ka manawa e pili ai nā hakina ‘elua wale nō i ka piha holo‘oko‘a ho‘okahi. Ho‘opa‘a i ka hopena o ka ho‘ohālikelike ‘ana me nā hō‘ailona <math>&gt;</math>, <math>=</math>, a i ‘ole <math>&lt;</math>, a ho‘āpono i ka hopena, e la‘a, ma o ka ho‘ohana ‘ana i ke ki‘ikūkohu hakina no ka nānā ‘ana mai.</p> <p><b>Ho‘ohālikelike i ‘elua hakina ma ka nānā ‘ana i ke kinopiha a i ‘ole ke kinohapa. Hō‘ike i ka hopena o ka ho‘ohālikelike ‘ana me nā hō‘ailona <math>&gt;</math>, <math>=</math>, a i ‘ole <math>&lt;</math>.</b></p>	
<p><b>Ke Ana ‘Ana a me ka ‘Ikepili~‘Ike</b></p> <p>Measurement and Data</p>	<p><b>Ho‘omākalakala i nā polopolema~nane pilihelu~nane ha‘i e pili i ke ana ‘ana a me ke koho ‘ana i nā wā, i ka pihanahaka wai, a i ka nui pa‘a o nā mea.</b></p>	<p><b>3.MD.A.1</b></p>	<p><b>Ha‘i a kākau i ka hola a me nā minuke kokoke loa.</b></p> <p><b>Ho‘omaopopo a ana i ka hola ka‘ahope.</b></p> <p><b>Ho‘omākalakala i nā mo‘olelo helu/naneha‘i e ho‘ohui a ho‘olawe ai i ka hola ka‘ahope (ma ka laina helu).</b></p> <p>Ha‘i a kākau i ka hola i ka minuke kokoke loa a ana i ka wā ma nā minuke. Ho‘omākalakala i nā polopolema hua‘ōlelo~mo‘olelo nane ha‘i e pili i ka ho‘ohui ‘ia a i ka ho‘olawe ‘ia o ka holo ‘ana o</p>	

	<p>Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.</p> <p><b>(3.1)</b></p>		<p>ka manawa/hola ma nā minuke, e la‘a, ma o ka hō‘ike ‘ana i ka polopolema~nane pilihelu~nane ha‘i ma ke ki‘ikuhi laina helu.</p>	
		<p><b>3.MD.A.2</b></p>	<p><b>Ana a koho/kolikoli i ka pihanahaka me nā kalame, nā kilokalame, a me nā lika.</b></p> <p><b>Ana a kolikoli i ka nuipa‘a o nā mea me nā kalame, a me nā kilokalame.</b></p> <p><b>Ho‘omākalakala i nā naneha‘i ka‘ina hana ho‘okahi o ka nuipa‘a me nā hana ho‘omākalakala ‘ehā a me ke kaha ki‘i ‘ana.</b></p> <p><b>Ho‘omākalakala i nā naneha‘i ka‘ina hana ho‘okahi o ka pihanahaka me nā hana ho‘omākalakala ‘ehā a me ke kaha ki‘i ‘ana.</b></p> <p>Ana a koho i ka pihanahaka wai a me ka nuipa‘a o nā mea me ka ho‘ohana ‘ana i nā anakahi kūmau ‘o ke kalame (k), ke kilokalame (kk) a me ka lika (l). Ho‘ohui, ho‘olawe, ho‘onui, a i ‘ole pu‘unaue e ho‘omākalakala i nā polopolema hua‘ōlelo~mo‘olelo nane ha‘i nona ho‘okahi ka‘ina hana e pili i ka nuipa‘a a i ‘ole i ka pihanahaka i hā‘awi ‘ia ma ke anakahi like, e la‘a, ma ka ho‘ohana ‘ana i nā ki‘i (e like me ke kōnuku nona ka pālakio ana) e kū no ka polopolema~nane pilihelu~nane ha‘i. (*‘ole pono nā anakahi ho‘ohui ‘ia e like me knm<sup>3</sup> a me ka loa‘a ‘ana o ka pihanahaka anahonua o kekahi ipu.)</p>	
	<p><b>3.MD.B.3</b></p>	<p><b>Kaha pono i ka pakuhi ki‘i pālākio.</b></p> <p><b>Kaha pono i ka pakuhi ‘aukā pālākio.</b></p> <p><b>Ho‘omākalakala i ka naneha‘i ka‘ina hana ho‘okahi o “‘oi aku” a i ‘ole “emi mai” me ka nānā ‘ana i ka pakuhi ‘auka.</b></p> <p>Kaha i ka pakuhi ki‘i pālākio a i ka pakuhi ‘aukā pālākio e hō‘ike i ka ‘ōpa‘a ‘ikepili~huihui ‘ike me nā mahele like ‘ole. Ho‘omākalakala i nā polopolema~nane pilihelu~nane ha‘i ka‘ina hana ho‘okahi a me ke ka‘ina hana ‘elua e nīnau ana “‘ehia hou aku” a “‘ehia emi mai” me ka ho‘ohana ‘ana i ka ‘ike o ka pakuhi ‘aukā i pālakio ‘ia. He la‘ana, kaha i ka pakuhi ‘aukā nona ka huinahā like pākahi a pau e kū ana no 5 mau hānaiahuhu.</p>	<p>Pakuhi Ki‘i Pālākio - Scaled picture graph Pakuhi ‘Aukā Pālākio - Scaled bar graph</p>	
<p><b>Hō‘ike i ke kū ‘ana a wehewehe i ka ‘ike~‘ikepili</b></p> <p>Represent and interpret data.</p> <p><b>(3.2)</b></p>				

		<b>3.MD.B.4</b>	<p><b>‘Ohi‘ohi i nā ‘ikepili ana me ke ana ‘ana i nā lō‘ihi me nā lula, a i ka hapalua me nā hapahā.</b>  <b>Hō‘ike i nā ‘ikepili me ka pakuhi laina, me nā helu piha, nā hapalua, a me nā hapahā.</b></p> <p>‘Ohi‘ohi i ka ‘ikepili~‘ike ana ma o ke ana ‘ana i ka lō‘ihi me nā lula i māka ‘ia me ka hapalua a me ka hapahā ‘īniha. Hō‘ike i ka ‘ike~‘ikepili ma o ka māka ‘ana i ka pakuhi laina, me ke kaha ‘ana mai o ka pālakio papamoe ma nā anakahi kūpono, ‘o ia ho‘i nā helu piha, nā hapalua, a i ‘ole nā hapahā.</p>	
	<p><b>Ke Ana Anahonua-</b>          Geometric measurement–</p> <p><b>A. maopopo nā mana‘o no ka ‘ili a ho‘opili i ka ‘ili i ka ho‘onui a me ka ho‘ohui.</b></p> <p>understand concepts of area and relate area to multiplication and to addition.</p> <p><b>B. ho‘okū‘ike i ke anapuni, he ‘anopili o nā kinona papa, a hō‘oko‘a~waele‘a~hō‘oia i nā ana laina i nā ana ‘ili.</b></p> <p>recognize perimeter as an attribute of plane figures and</p>	<b>3.MD.C.5</b>	<p><b>Ho‘okū‘ike i ka ‘ili he hi‘ohi‘ona o nā kinona papa, a maopopo nā mana‘o o ke ana ‘ili.</b></p> <p>Ho‘okū‘ike i ka ‘ili he hi‘ohi‘ona o nā kinona papa a maopopo maila nā mana‘o o ke ana ‘ili.</p> <p>a. Kapa ‘ia ka huinahā like nona ka ‘ao‘ao o ho‘okahi anakahi he “huinahā like anakahi,” a ‘o “ho‘okahi anakahi huinahā like” kona ‘ili, a hiki ke ho‘ohana ‘ia e ana i ka ‘ili.</p> <p>e. Inā hiki ke ho‘opihapiha pono ‘ia ke kinona papa me ka ‘ili‘ili ‘ole a me ka haka ‘ole e ka “n” huinahā like anakahi, ‘ōlelo ‘ia he “n” anakahi huinahā like kona ‘ili.</p>	
		<b>3.MD.C.6</b>	<p><b>Ana i ka ‘ili ma ka helu ‘ana i nā huinahā anakahi.</b></p> <p>E ‘imi i ka ‘ili o ka huinahā ma o ka helu ‘ana i nā anakahi.</p>	
		<b>3.MD.C.7</b>	<p><b>E ho‘omaopopo i ka pilina o ka ‘ili i ka ho‘ohui a me ka ho‘onui.</b></p> <p><b>E ho‘omākalakala i ka ‘ili o ka huinahā ma o ke kaha ‘ana i nā laina.</b></p> <p><b>E ho‘omākalakala i ka ‘ili o ka huinahā ma o ka ho‘onui ‘ana i ka lō‘ihi a me ka laulā o ia kinona.</b></p> <p><b>E ho‘omaopopo i ka ‘imi ‘ana i ka ‘ili o ke kinona ma o ka ho‘ohui ‘ana i ka ‘ili o nā mahele o ia kinona.</b></p> <p>E ho‘omaopopo i ka pilina o ka ‘ili i ka ho‘onui a me ka ho‘ohui.</p> <p>-E ‘imi i ka ‘ili o ka huinahā ma o ke kaha ‘ana i nā laina.</p> <p>-E ‘imi i ka ‘ili o ka huinahā ma o ka ho‘onui ‘ana i ka lō‘ihi a me ka laulā.</p>	

	distinguish between linear and area measures  <b>(3.3.)</b>		-E 'imi i ka 'ili o ka huinahā ma o ka ho'ohui 'ana i ka 'ili o nā mahele o ia huinahā.	
		<b>3.MD.C.8</b>	<b>E ho'omākalakala i nā mo'olelo pili helu no ke anapuni o nā kinona like 'ole.</b>  Ho'omākalakala i nā polopolema~nane pilihelu~nane ha'i 'oia'i'o e pili i ke anapuni huinahalehulehu, me ka ho'omākalakala 'ana i ke anapuni ke hā'awi 'ia ke ana lō'ihī o nā 'ao'ao, i ka ho'omākalakala 'ana i ka 'ao'ao 'ike 'ole 'ia, a i ka hō'ike 'ana i nā huinahā lō'ihī o ke anapuni like akā na'e me ka 'ili 'oko'a a i 'ole nā huinahā lō'ihī o ka 'ili ho'okahi akā na'e me ke anapuni 'oko'a.	
<b>Ke Anahonua</b>  Geometry	<b>Kuano'o i nā kinona a me ko lākou mau 'anopili</b>  Reason with shapes and their attributes.  <b>(3.4)</b>	<b>3.G.A.1</b>	<b>Maopopo ka like o nā kinona ma nā 'ohana (hui) kinona 'oko'a.</b>  <b>Maopopo ka hui 'ana o nā kinona 'ano like ma ka 'ohana kinona ma muli o nā hi'ohi'ona like.</b>  <b>Maopopo ka 'ohana huinahā. 'O ia ho'i nā huinahā like 'ole, 'o ka huinahā like 'oe, 'o ka huinahā loa 'oe, 'o ka huinahā hiō 'oe, a pēlā wale aku.</b>  <b>Kaha ki'i i nā 'ano huinahā like 'ole 'e a'e ('a'ole he huinahā like, loa, a i 'ole hiō).</b>  Maopopo nā kinona ma nā mahele 'oko'a (e la'a, nā huinahā hiō~huinahā hiō like, nā huinahā lō'ihī, a pēlā aku) e hiki ai ke like kekahi hi'ohi'ona (e la'a, 4 o lākou 'ao'ao), a hiki i ia hi'ohi'ona like ke hō'ike i kekahi mahele nui a'e (e la'a, nā huinahā). Ho'okū'ike i nā huinahā hiō~huinahā hiō like, nā huinahā lō'ihī, a me nā huinahā like no nā la'ana o nā huinahā, a kaha ki'i i nā la'ana o nā huinahā e hiki 'ole ke komo ma ua mau mahele ala.	
			<b>3.G.A.2</b>	<b>Ho'omāhele i ke kinona i nā māhele me ka 'ili like a kākau ma ke 'ano he hakina. (1/1, 1/2, 1/3, 1/4 a pēlā wale aku)</b>  Ho'omāhele i nā kinona ma nā mahele o ka 'ili like. Hō'ike i ka 'ili o nā mahele pākahi a pau ma ka hakina anakahi o ka piha holo'oko'a. He la'ana, ho'omāhele i ke kinona ma 4 mahele o ka 'ili like, a ha'i 'ano i ka 'ili o nā mahele pākahi 'o ia ho'i he 1/4 o ka 'ili o ke kinona holo'oko'a.



