

Te Poutama Tau
Āpitianga Uiui Rautaki 2

Rauemi:

kia 20 ngā porotiti, kia 2 ngā kāri he A5 te rahi

Ngā Pātai	Ngā Tohutohu	Te Whakautu a te Ākonga me te Rautaki	Te Whakatau
1. Homai kia 9 ngā porotiti	Whakatakotoria ngā porotiti 20 ki mua i te ākonga.		If the student could not count 9 items, rate the student as Stage 0 on operational strategies. Stop the interview. Otherwise proceed to Question 2.
2. Anei ētahi porotiti e 6. Anei ētahi atu porotiti e 2. E hia katoa ngā porotiti?	Hoatu ētahi porotiti e 6 ki tētahi ringaringa o te ākonga. Hoatu kia 2 ki tērā o ngā ringaringa.		If the student was unable to solve $6 + 2$ correctly, rate them at Stage 1 and stop the interview. If the student solves $6 + 2$ by physically counting all the counters rate him/her at Stage 2 and stop the interview. Otherwise proceed to Question 3.
3. E 8 ngā porotiti kei raro i tēnei kāri. E 5 kei raro i tēnei. E hia katoa ngā porotiti?	Whakatakotoria kia 8 ngā porotiti ki raro i tētahi o ngā kāri, kia 5 ki raro i tētahi.		If the student solves the task by a part-whole method (e.g. $8 + 2 + 3 = 10 + 3$) proceed to Question 4. If the student solves the task by “counting on” rate them at stage 4 and stop the interview. If the student could not solve the problem rate them at stage 3 and stop the interview.

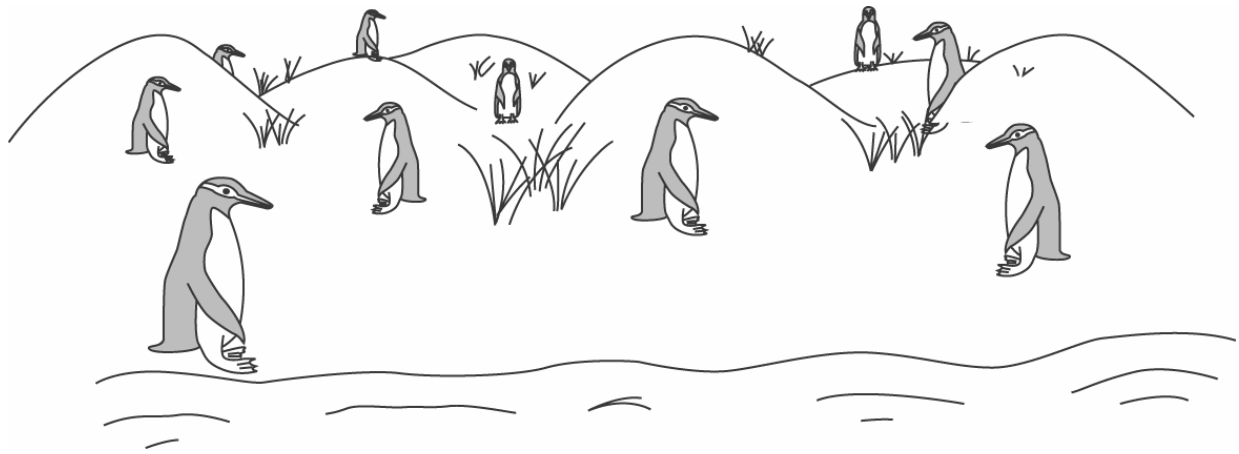
<p>4a. 82 ngā hoiho i runga tāhuna. Ka kauhoe atu ētahi ki te moana, 47 ka toe mai. E hia ngā hoiho i kauhoe atu.</p>	<p>Whakaaturia te kāri rapanga ki te ākongā.</p>		<p>PĀTAI 4a, 4e, 4i If the student gets 2 or 3 of the problems correct using at least 2 different partwhole strategies, proceed to Question 5. Otherwise rate the student at Stage 5 and stop the interview.</p>
<p>4e. 389 ngā omanga a Wiremu i ana kēmu kirikiti. 126 ana omanga i tētahi anō kēmu. E hia katoa ngā omanga kirikiti a Wiremu?</p>	<p>Whakaaturia te kāri rapanga ki te ākongā.</p>		
<p>4i. 306 ngā pōro korowhā i kohia e Tīmoti. 192 i whakahokia ki te karapu korowhā, ka mau tonu i a ia te toenga. E hia ngā pōro i mau tonu i a Tīmoti?</p>	<p>Whakaaturia te kāri rapanga ki te ākongā.</p>		
<p>5a E 8 ngā paepae hēki hei kai mā te manuhiri i te marae. 48 ngā hēki kei ia paepae. E hia katoa ngā hēki?</p>	<p>Whakaaturia te kāri rapanga ki te ākongā.</p>		<p>PĀTAI 5a, 5e If the student gets both questions correct using at least 2 different part-whole strategies, proceed to Question 6. Otherwise rate the student at Stage 6 and stop the interview.</p>
<p>5e. 81 ngā pōro tēnehi e hokona ana e Māka. E 3 ngā pōro kei ia kēne. E hia ngā kēne ka hokona e ia?</p>	<p>Whakaaturia te kāri rapanga ki te ākongā.</p>		
<p>6a. He horoi motukā te mahi a Anikiwa. Ka pau te 6 hāora ki te horoi i ngā motukā 14, he ōrite te roa mō ia motukā. E hia hāora mō te horoi i ētahi motukā 21?</p>	<p>Whakaaturia te kāri rapanga ki te ākongā.</p>		<p>PĀTAI 6a, 6e If the student gets both questions correct, using at least 2 different partwhole strategies, rate them at Stage 8. Otherwise rate the student at Stage 7.</p>
<p>6e. I pōhiri atu a Naera ki ōna hoa ki te haere mai ki tētahi pō whakangahau. 24 ngā hoa i tae atu, 16 kāore i tae atu. He aha te ōrau o ngā hoa i tae atu?</p>	<p>Whakaaturia te kāri rapanga ki te ākongā.</p>		

Description of Strategy Stages

Stage & Behavioural Indicator	
0	Emergent The student has no reliable strategy to count an unstructured collection of items.
1	One to One Counting The student has a reliable strategy to count an unstructured collection of items.
2	Counting from One on Materials The student's most advanced strategy is counting from one on materials to solve addition problems.
3	Counting from One by Imaging The student's most advanced strategy is counting from one without the use of materials to solve addition problems.
4	Advanced Counting The student's the most advanced strategy is counting-on, or counting-back to solve addition or subtraction tasks.
5	Early Additive Part-Whole Thinking The student shows any Part-Whole strategy to solve addition or subtraction problems mentally by reasoning the answer from basic facts and/or place value knowledge.
6	Advanced Additive Part-Whole Thinking The student is able to use at least two different mental strategies to solve addition or subtraction problems with multi-digit numbers.
7	Advanced Multiplicative Part-Whole The student is able to use at least two different mental strategies to solve multiplication and division problems with whole numbers.
8	Advanced Proportional Part-Whole The student uses at least two different strategies to solve problems that involve equivalence with and between fractions, ratios and proportions.

$$6 + 2$$

$$8 + 5$$



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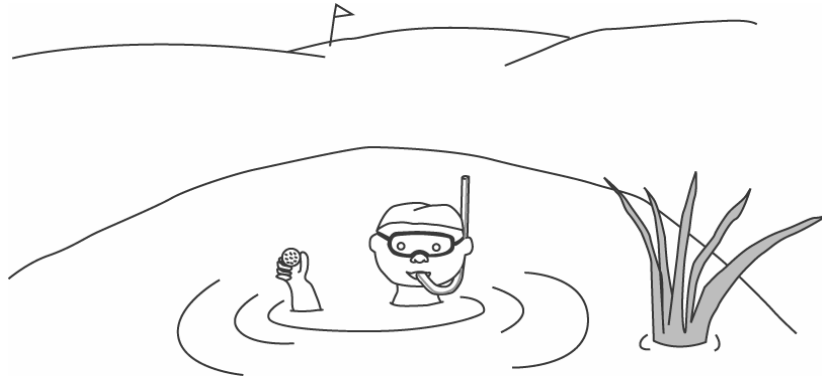
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E hia katoa ngā
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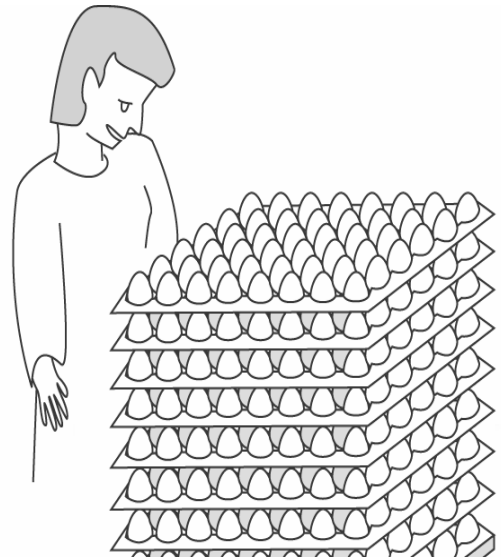
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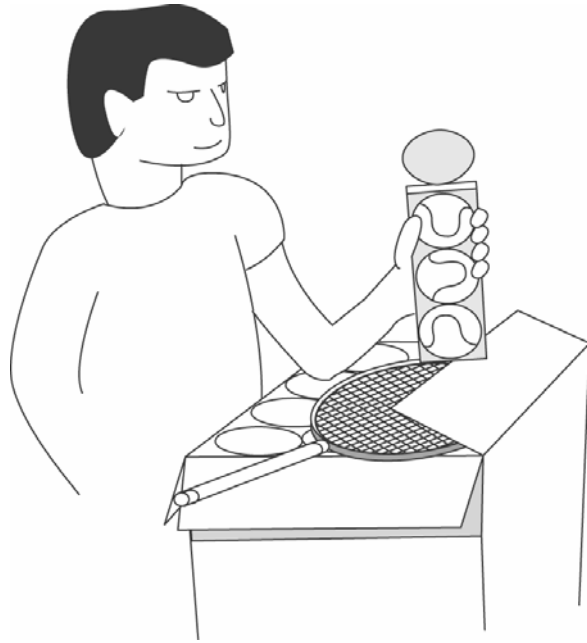


E 8 ngā paepae hēki hei
kai mā te manuhiri i te
marae.

48 ngā hēki kei ia
paepae.

E hia katoa ngā hēki?

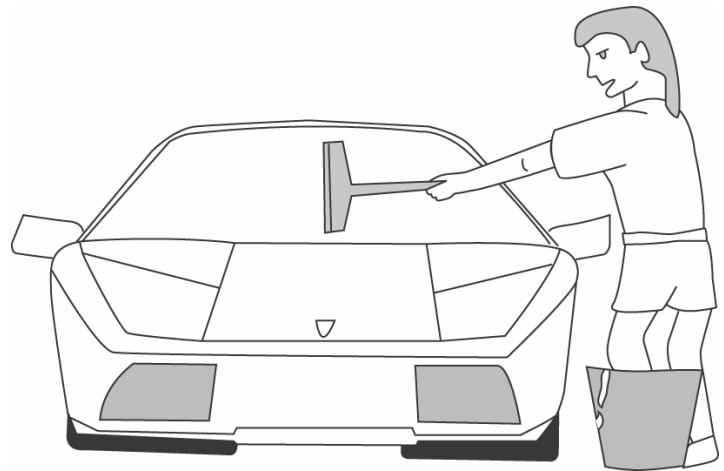




81 ngā pōro tēnehi e hokona ana e Māka. E 3 ngā pōro kei ia kēne. E hia ngā kēne ka hokona e ia?

He horoi motukā te mahi a Anikiwa.

Ka pau te 6 hāora ki te horoi i ngā motukā 14, he ōrite te roa mō ia motukā.



E hia hāora mō te horoi i ētahi motukā 21?

I pōhiri atu a Naera ki ōna hoa ki te haere mai ki tētahi pō whakangahau. 24 ngā hoa i tae atu, 16 kāore i tae atu.

