

Choral Counting Tasks Ideas

Whole Number		
Task	Big Mathematical Ideas	Sample Recording
Count forward or backward by 1 from 0 from 20 from 80 and beyond	 Fluency with the counting sequence Notice repetition of base-ten number system 	11 12 13 OH 15 16 17 2 9 10 11 12 13 OH 15 16 17 18 19 20 21 22 23 OH 25 26 27 28 29 30 31 32 33 3H
Count forward or backward by 2 from 0 from 20 from 80 and beyond	 Fluency with the counting sequence Notice repetition of base-ten number system 	100 102 104 106 08 110 112 114 116 118 120 122 124 126 128 130 132 "all numbers are oven"
Count forward by 5 from 0 from 20 from 80 and beyond	 Develop skip- counting skills Ideas about composition of 10 and base-ten number system 	16 36 56 76 21 41 61 80 26 46 66 86 31 51 71 90 "it goes 6,1,6,1 in the ones place"
Count forward by 10 from 0 from 70 or 170 from 64 or 164	 Developing efficient strategies for +/-: counting on by tens Begin to generalize the structure of the base-ten number system beyond 100 	194 214 314 124 224 324 134 234 334 144 244 154 254 14 174 214 84 184 284 94 184 294 4 m mace 104 204 304



Count backward by 10from 250from 346	 Developing efficient strategies for +/-: counting on by tens Begin to generalize the structure of the base-ten number system beyond 100 	3 4 6 24 6 14 6 13 6 13 6 13 6 13 6 12 6 12 6 12 6 12
Count forward by 20 from 0 from 60 or 160 from 64 or 164 from 70 or 170	 Developing efficient strategies for +/-: incremental strategies Begin to generalize the structure of the base-ten number system beyond 100 	40 170 190 270 230 250 40 270 290 310 330 350 40 370 410 430 450 40 510 all the odd 40 590
Count forward or backward by 100 from 700 or 740 from 2700 or 4740	 Exposure to large numbers (important, but often overlooked) Generalize the structure of the baseten number system beyond 100 	2140 1740 1740 2540-01540 540 22440 1340 2240 1240 2140 1140 2040 1040 1940 940 1840 840



Count forward by 4 or other single digit number	 Develop skip- counting skills Connections to multiplication 	2 24 94 64 84 104 2 28 48 68 88 12 32 52 72 16 36 56 76 all are 20 40 60 80 rumbers 120 40 60 80 rumbers
Count forward by 12	 Develop skip- counting skills Connections to multiplication: repeated addition, breaking apart numbers by place value (10 and 2) 	12 12 132 192 252 312 24 84 144 204 264 324 36 96 156 216 276 336 48 108 168 228 288 348 60 120 180 240 300 360
Count forward by 25 from 2 from 37	 Develop efficient strategies for +/- Composition of 100 	$\begin{array}{cccccccccccccccccccccccccccccccccccc$



Fractions and Decimals		
Task	Big Mathematical Ideas	Sample Recording
Count forward by 1/4	 Understand a fraction a/b as the quantity formed by a parts of size 1/b Develop understanding of fractions greater than one and equivalent and mixed fractions (eg. we could count 5/4 or 1 and 1/4) 	whole 1 whole $2 4$ $2 4$ $2 4$ $2 4$ $2 4$ $2 4$ $2 4$ $2 4$ $2 4$ $2 4$ $2 4$ $2 4$ $2 4$ $2 4$ $2 4$
Count forward by 3/4	Develop understanding of the composition of common fractions (eg. from ¾ we can count on ¼ and 2 more fourths)	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Count forward by 1/10 and 0.1	Use students' understanding of fractions to better understand decimal notation	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$



Units of Measurement			
Task	Big Mathematical Ideas	Sample Recording	
Count by ounces and then find pound conversions	Develop familiarity with units of measurement and conversions	tow many 402 packages of candy do we need to have 3 paints? 4 02 2402 4402 8 02=16.28 02=12164802 12 02 32 02 52 02 16 02 3602 56 02 20 02 40 02 60 02	
Count by minutes, converting to hours and minutes	Develop familiarity with units of measurement and conversions	30 min 330 m 630 m 930 m 60 m 11hr 90 m 390 m 690 m 120 m 2hr 420 m 1hr 150 m 450 m 18hr 210 m 510 m 240 m 4hr 540 m 9 hr 270 m 570 m 300 m 5hr 600 m 10hr +5hr	
Count by inches, converting to feet or count by feet, converting to yards	Develop familiarity with units of measurement and conversions	6 in 36 in 66 in 96 in 12 in 17 42 in 37 72 in 54 102 in 18 in 48 in 78 in 24 in 27 54 in 48 84 in 67 30 in 60 in 90 in 130 in	

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