

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	<ul style="list-style-type: none"> Fluency with the counting sequence Notice repetition of base-ten number system 	
Count forward or backward by 2 ... from 0 ... from 20 ... from 80 and beyond	<ul style="list-style-type: none"> Fluency with the counting sequence Notice repetition of base-ten number system 	
Count forward by 5 ... from 0 ... from 20 ... from 80 and beyond	<ul style="list-style-type: none"> Develop skip-counting skills Ideas about composition of 10 and base-ten number system 	
Count forward by 10 ... from 0 ... from 70 or 170 ... from 64 or 164	<ul style="list-style-type: none"> Developing efficient strategies for +/-: counting on by tens Begin to generalize the structure of the base-ten number system beyond 100 	

<p>Count backward by 10 ...from 250 ...from 346</p>	<ul style="list-style-type: none"> Developing efficient strategies for +/-: counting on by tens Begin to generalize the structure of the base-ten number system beyond 100 	
<p>Count forward by 20 ... from 0 ... from 60 or 160 ... from 64 or 164 ... from 70 or 170</p>	<ul style="list-style-type: none"> Developing efficient strategies for +/-: incremental strategies Begin to generalize the structure of the base-ten number system beyond 100 	
<p>Count forward or backward by 100 ... from 700 or 740 ... from 2700 or 4740</p>	<ul style="list-style-type: none"> Exposure to large numbers (important, but often overlooked) Generalize the structure of the base-ten number system beyond 100 	

Count forward by 4 or other single digit number	<ul style="list-style-type: none"> Develop skip-counting skills Connections to multiplication 	<p>Handwritten number chart for skip-counting by 4. The chart shows numbers 4 to 104 in a grid. Arrows indicate jumps of 4 units. A note says "all are even numbers".</p>
Count forward by 12	<ul style="list-style-type: none"> Develop skip-counting skills Connections to multiplication: repeated addition, breaking apart numbers by place value (10 and 2) 	<p>Handwritten number chart for skip-counting by 12. The chart shows numbers 12 to 360 in a grid. Arrows indicate jumps of 12 units. A note says "pattern repeats".</p>
Count forward by 25 ... from 2 ... from 37	<ul style="list-style-type: none"> Develop efficient strategies for +/- Composition of 100 	<p>Handwritten number chart for skip-counting by 25. The chart shows numbers 2 to 477 in a grid. Arrows indicate jumps of 25 units.</p>

Fractions and Decimals		
Task	Big Mathematical Ideas	Sample Recording
Count forward by $\frac{1}{4}$	<ul style="list-style-type: none"> 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 $1/4$) 	
Count forward by $\frac{3}{4}$	<ul style="list-style-type: none"> Develop understanding of the composition of common fractions (eg. from $\frac{3}{4}$ we can count on $\frac{1}{4}$ and 2 more fourths) 	
Count forward by $\frac{1}{10}$ and 0.1	<ul style="list-style-type: none"> Use students' understanding of fractions to better understand decimal notation 	

Units of Measurement		
Task	Big Mathematical Ideas	Sample Recording
Count by ounces and then find pound conversions	<ul style="list-style-type: none"> Develop familiarity with units of measurement and conversions 	<p>How many 4 oz packages of candy do we need to have 3 pounds?</p> <p>4 oz 24 oz 44 oz</p> <p>8 oz = $\frac{1}{2}$ lb. 28 oz = $1\frac{1}{2}$ lb. 48 oz</p> <p>12 oz 32 oz 52 oz</p> <p>16 oz = 1 lb. 36 oz = 2 lb. 56 oz = 3 lb.</p> <p>20 oz 40 oz 60 oz</p>
Count by minutes, converting to hours and minutes	<ul style="list-style-type: none"> Develop familiarity with units of measurement and conversions 	<p>30 min 330 m 630 m 930 m</p> <p>60 m 1 hr 360 m 6 hr 660 m 11 hr</p> <p>90 m 390 m 690 m</p> <p>120 m 2 hr 420 m 7 hr</p> <p>150 m 450 m</p> <p>180 m 3 hr 480 m 8 hr</p> <p>210 m 510 m</p> <p>240 m 4 hr 540 m 9 hr</p> <p>270 m 570 m</p> <p>300 m 5 hr 600 m 10 hr</p> <p>+ 300 m</p>
Count by inches, converting to feet or count by feet, converting to yards	<ul style="list-style-type: none"> Develop familiarity with units of measurement and conversions 	<p>6 in 36 in 66 in 96 in</p> <p>12 in 1 ft 42 in 3 ft 72 in 6 ft 102 in</p> <p>18 in 48 in 78 in</p> <p>24 in 2 ft 54 in 4 ft 84 in 7 ft</p> <p>30 in 60 in 90 in</p> <p>+ 30 in + 30 in</p>