

Teaching Adults to Make Sense of Number: Knowledge Progressions

Number Sequence Knowledge Activity Cheat Sheet

Activity	What do learners do?	Number sequence knowledge	Where do I find it?	Can I use it? Rate: ✓ ? ✗
Numbers to 100	Read and write numbers from 0 to 100; position the numbers on an empty number line.	Step 2	P. 67	
Understanding fractions I	Order fractions with the same bottom number (denominator) by cutting, naming and ordering strips of paper.	Step 3	P. 69	
Understanding fractions II	Order unit fractions (where the bottom number is different); understand that as the bottom number gets larger, the size of the fraction gets smaller.	Step 4	P. 70	
Understanding fractions III	Use fraction in division problems where the numbers do not divide evenly.	Step 4	P. 71	
Decimal number place value	Develop their understanding of the place value system to include decimal numbers including tenths, hundredths and thousandths; name any decimal number in tenths, hundredths and thousandths.	Step 5	P. 78	

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Place Value Knowledge Activity Cheat Sheet

Activity	What do learners do?	Place value knowledge	Where do I find it?	Can I use it? Rate: ✓ ? ✗
Introducing place value	Work with a place value chart to develop their understanding that our number system is based on the number 10; Understand that the place of a digit in a number indicate its value.	Step 2- 3	P. 73	
Whole number place value	Extend their understanding of place value by adding and subtracting 1, 10, 100 and 1000 from a given four-digit number.	Step 3	P. 76	
Decimal number place value	Develop their understanding of the place value system to include decimal numbers including tenths, hundredths and thousandths; name any decimal number in tenths, hundredths and thousandths.	Step 5	P. 78	
Connecting percentages, decimals and fractions	Explore connections between percentages, decimals and fractions; develop mental strategies for solving problems involving percentages	Step 5	P. 87	

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Number Facts Knowledge Activity Cheat Sheet

Activity	What do learners do?	Number facts knowledge	Where do I find it?	Can I use it? Rate: ✓ ? ✗
Addition and subtraction fact	Learn strategies to remember basic addition and subtraction facts; focus on learning facts that they cannot remember quickly.	Step 2	P. 80	
Multiplication and division facts	Learn strategies to remember basic multiplication and division facts; focus on learning facts that they cannot remember quickly.	Step 3	P. 82	
Understanding multiplication	Identify unknown multiplication facts; Use known facts to develop recall of unknown facts.	Step 3	P.35	
Deriving multiplication and division facts	Use already known facts to derive and extend knowledge of multiplication facts they need for quick recall	Step 3	P. 37	
Estimating facts	Apply basic multiplication facts to problems involving multiples of tens, hundreds, thousands in order to estimate efficiently	Step 4	P. 85	
Connecting percentages, decimals and fractions	Explore connections between percentages, decimals and fractions; develop mental strategies for solving problems involving percentages	Step 5	P. 87	