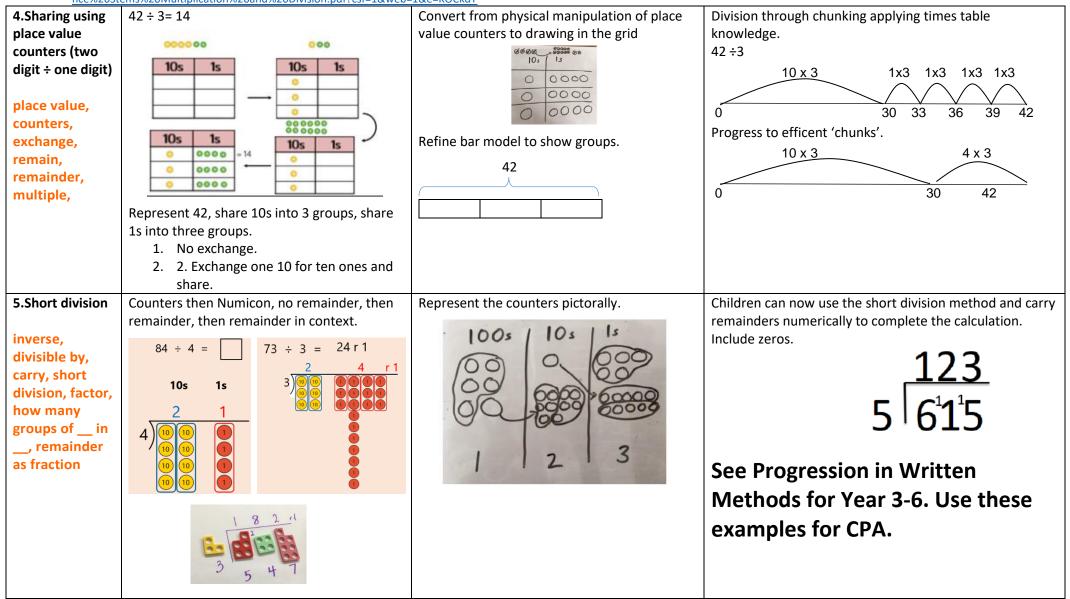
Use NCETM Sentence Stems to support

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Skills	tems%20Multiplication%20and%20Division.pdf?csf=1&web= Concrete		Pictorial		Abstract		
1.Sharing into equal groups each, share, equally, equal, same, group	in gr Ea	haring six nto two roups. ach group eeds to be qual.		Draw two groups (circles or bar model), share the whole (6) into the two groups one at a time. Check both groups are equal (same	3 Using the number 3 to equal groups through pictorially share first t	a bar model. Childre	en may
2.Division as grouping groups of, divide, number line, array, number of groups	10÷2=5 Divide 10 into equal groups of 2. Use cubes, counters or objects to aid understanding. How many needs to be in each group? How many groups are there?		value). How many is in each group? (3) $12 \div 3 = 4$ Use a bar model to build groups of 3. Then use a number line to show jumps in groups of 3, starting from 12 backwards to 0. The number of jumps equals the number of groups.		Divide 28 into 7 groups. $28 \div 7 = 4$ How many are in each group? Abstract number line to show the jumps in groups of 7 from 28 to zero. 777777777777777777777777777777777777		
3.Division within arrays array, groups of, number of groups, rows, columns	Link multiplication to division by creating an array and considering the different number sentences. 15 ÷ 5 = 3 15 ÷ 3 = 5 There are 5 groups of 3. There are 3 groups of 5.		Draw arrays and use lines as necessary to split into groups. Can you record the related division calculations to match?		Find the inverse of multiplication and division sentences by creating four linking number sentences. 3 x 5 = 15 5 x 3 = 15 15 ÷ 5 = 3 15 ÷ 3 = 5		

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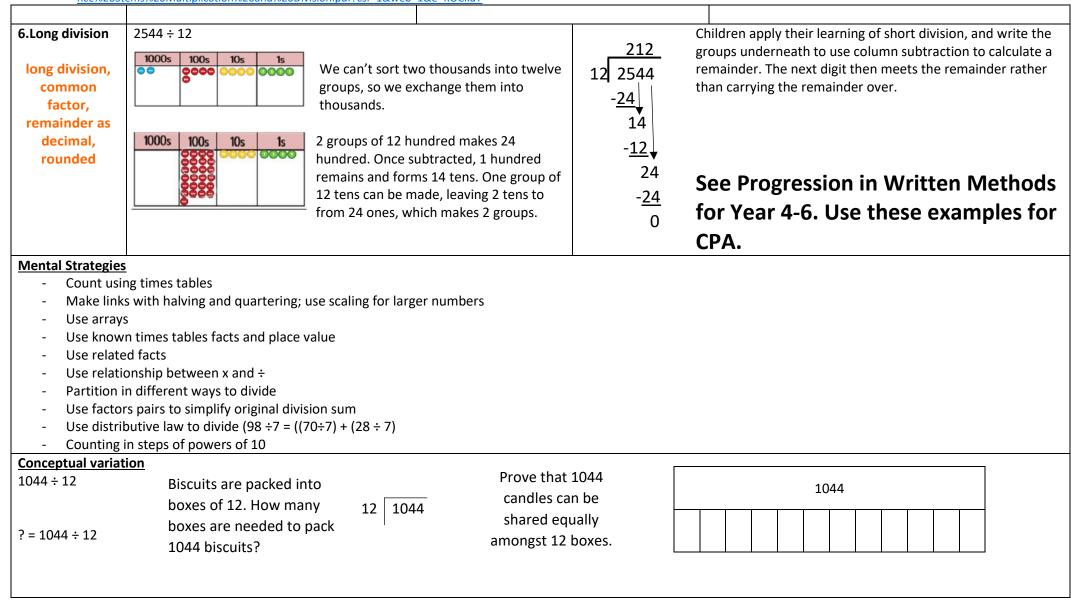
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nce%20Stems%20Multiplication%20and%20Division.pdf?csf=1&web=1&e=KOCkdY Written Methods of Division Times table recall should be secure by the end of Year 4, if not intervention is needed. 1. Short division (no carrying) **Teaching Point** 5. Long division $63 \div 3$ $2544 \div 12$ Children apply their learning of 3 short division, and write the groups underneath to use column 2. Short division (carrying remainders) subtraction to calculate a 84÷6 615÷5 remainder. The next digit then meets the remainder rather than carrying the remainder over. For decimal long division, include 3. Short division with remainders **Teaching Point** the decimal point before solving 421 ÷ 9 the calculation. Ensure that children are taught 5a. Alternative method: factor pairs (Double bus stop) **Teaching point** how to represent remainders - $165 \div 15$ see progression below. Children record a factor pair of the two digit divisor and complete two short division calculation in place **Teaching Point** 4. Short division with decimal points of long division. 5 343.56 ÷ 6 Ensure children record the N.B. This does not work if the decimal point clearly. divisor is prime.

Progression for remainders

- 1. No remainder
- 2. Remainder as a number
- 3. Remainder as a fraction
- 4. Remainder as a decimal