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| Rockmount Primary SchoolBIG MATHS: CLIC LONG TERM PLANSCurriculum Mapping |

**CLiC Maths long term plan – Reception**

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| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Counting** |  |  |
| I can count to 10I can count 3 objects | I can count to 10I can read 1 digit numbersI can understand numbers to 10I can count 4, 5, 6, 10 objectsI can count on and back 1 | I can count to 20I can read the numbers 11-20I can understand numbers to 10I can count 20 objectsI can count on and back 2,3,4,5 |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Learn Its** |  |  |
| 1+1 , 2+2 | 3+3, 4+4, 5+5  | 1+2, 2+3Multiples of 10 |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Its nothing new** |  |  |
|  | I can double 1 digit numbers (without crossing 10) | I can double 1 digit numbers (without crossing 10) |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Calculation** |  |  |
| Addition | AdditionI know when to add some moreI know to find the total | AdditionI add the right amountI add the right amount and can count how many altogetherI can add numbers of objects to 10 |
| Subtraction | Subtraction I know when to take awayI know to take some away and count how many are left | SubtractionI can take away the right amountI take away the right amount and count how many are leftI can take away numbers of objects to 10 |
| Multiplication | Multiplication | MultiplicationI can set out groups of toys when I play (3 lots of 4)I can find the total amount of toys (3 lots of 4 and counts) |
| Division | DivisionI can give out objects fairly | DivisionI can count how many each person was givenI can share an even number of objects between 2 peopleI can halve an even number of objectsI can share 6,9,12,15 between 3 people |

**CLiC Maths long term plan – Year 1**

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| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Counting** |  |  |
| I can count from 60-69I can count to 100I can read 2 digit multiples of 10I can read 2 digit numbersI can understand numbers to 10I can count in 5’s | I can count to 100I can read 3 digit multiples of 100I can understand number to 10I can count in 5’s | I can count past 100I can read 3 digit multiples of 100I can partition a 2 digit numberI can understand numbers to 20I can count in 2’sI can count in 1’s, 10’s, 2’s, 5’s |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Learn Its** |  |  |
| 2+8, 3+7, 4+6Multiples of 5 | 4+2, 5+2, 6+2, 7+2, 9+2, 4+3, 5+3, 6+3 | 6+6, 7+7, 8+8, 9+9Multiples of 2 |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Its nothing new** |  |  |
| I can swap objects (2cats + 3cats = 5 cats)I can double 1 digit numbersI can find the missing piece to 10 (4+□=10) (jigsaw numbers) | I can swap objects (2cats + 3cats = 5 cats)I can double 2 digit multiples of 10I can find the missing piece to 10 (4+□=10) (jigsaw numbers) | I can swap objects (2cats + 3cats = 5 cats)I can double 2 digit multiples of 10I can double 1 digit numbers (crossing the 10, (6+6))I can find half of 3,5,7,9I can find the missing piece to 10 (4+□=10) (jigsaw numbers)I know the fact families for 1 digit + 1 digit facts (3+4=7, 4+3=7) |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Calculation** |  |  |
| AdditionI can add numbers of objects to 10 | AdditionI can read a number sentence (“3+4=..”)I can arrange a number sentence (3 blocks + 4 blocks)I can solve a number sentence (3+4)I can solve addition on a number line (3+4=7) | AdditionI can add 1 to a number up to 20 (16+1)I can add 2 or 3 to a number up to 20 (16+3)I can add a 1 digit number to a number u to 20 (16+7) |
| SubtractionI can take away numbers of objects to 10 | Subtraction I can read a number sentence (“6 - 4 =...”)I can arrange a number sentence (6 blocks - 4 blocks)I can solve a number sentence (6 – 4 )I can solve addition on a number line (6-4=2) | SubtractionI can take 1 from a number to 20 (16-1)I can take 2 or 3 from a number to 20 (16-3)I can take a 1 digit number from a number to 20 (16-7) |
| MultiplicationI can set out groups of blocks when I play (sets out 3 lots of 4 bocks)I can find the total amount of bocks (sets out 3 lots of 4 blocks and finds total) | MultiplicationI can find the total amount of blocks (sets out 3 lots of 4 blocks and finds total) | MultiplicationI can draw out groups of dots (sets out 3 lots of 4 dots)I can find the total amount of dots (sets out 3 lots of 4 dots and finds total) |
| DivisionI can share 6,9,12,15 objects between 3 people | DivisionI can share 6,9,12,15 objects between 3 people | DivisionI can share 8,12,16,20 objects between 4 peopleI can share 8,12,16,20 objects into 4I can share equally to solve division problems (20÷4, 15÷3)I can make groups of 2,5,10 (put these sweets into piles of 5)I can find how many altogether by counting through each group (piles of sweets) |

**CLiC Maths long term plan – Year 2**

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| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Counting** |  |  |
| I can read 3 digit multiples of 100I can partition a 2 digit numberI can understand numbers to 20I can count in 2’sI can count in 100’s | I can read 3 digit numbersI can partition a 2 digit numberI can understand numbers to 20I can count in 2’sI can count in 50’s, 500’s, 5000’s, ½’s  | I can read 3 digit numbersI can partition a 2 digit numberI can understand 2 digit numbersI can count in 3’sI can count in 20’s, 200’s, 2000’a, ¼’s I can count along when the numbers are written in (number line) |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Learn Its** |  |  |
| 3+8, 3+9, 4+7, 4+8, 4+910x tables | 4+5, 5+6, 6+7, 7+8, 8+95x tables | 5+9, 6+9, 7+9, 5+7, 5+8, 6+82x tables |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Its nothing new** |  |  |
| I can swap objects (2cats+3cats=5cats)I can add tens (30+40=70)I can double 2 digit numbers (without crossing 10, (44=88))I can double 2 digit multiples of 10 (crossing 10, (double 60=120))I know half of 30,50,70,90I can find the missing piece to 10 (4+□=10) (jigsaw numbers)I can turn 1 digit + 1 digit facts into multiples of 10 (30+40=70, 40+30=70) | I can swap objects (2cats+3cats=5cats)I can add hundreds’sI can double 2 digit numbers (without crossing 10, (44=88))I can double 2 digit multiples of 10 (crossing 10, (double 60=120))I know half of 30,50,70,90I can find the missing piece to the next multiple of 10 (32 +□=40) (jigsaw numbers)I can find mully using my tablesI can turn 1 digit + 1 digit facts into multiples of 10 (30+40=70, 40+30=70) | I can swap objects (2cats+3cats=5cats)I can add thousands (3000+4000)I can double 2 digit numbers (without crossing 10, (44=88))I can double 2 digit numbers (crossing 10 (26=52))I know half of 300,500,700,900I can find the missing piece to 100 (54 + □=100) (jigsaw numbers)I can multiply whole numbers by 10 (13x10)I can divide multiples of 10 by 10 (130÷10)I can complete a 1,10 coin cardI can complete a 1,2,5,10 coin cardI can find mully using my tablesI know the fact family when given a single addition fact (23+41=64…41+23=64)I know the fact families for 1 digit x 1 digit facts (2x9=18, 9x2=18) |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Calculation** |  |  |
| AdditionI can add to a 2 digit number (28+1)I can add 10 to a 2 digit tens number (40+10)I can add 10 to any 2 digit number (38+10) | AdditionI can add a 1 digit number to a 2 digit tens number (30+4)I can solve 2 digit + 1 digitI can add a 2 digit tens number to another one (20+60)I can solve any 1 digit + 1 digit in my head | AdditionI can solve any 2 digit + 1 digitI can add any 2 digit tens number to another oneI can add a 2 digit tens number to a 2 digit number (23+40)I can add any 2 digit tens number to a digit number (23+90)I can add a 2 digit number to a 2 digit number |
| SubtractionI can take 10 from a multiple of 10 (80-10)I can take 10 from a 2 digit number (43-10)I can take a multiple of 10 from a multiple of 10 (80-30) | Subtraction I can take a 1 digit number from a multiple of 10 (80-6)I can solve 2 digit – 1 digit I can solve any 2 digit – 1 digitI can solve any 3 digit – 1 digit in my head | SubtractionI can spot the next multiple of 10 (73...80)I can count to the next multiple of 10 (73…80 | 7)I know the gap to the next multiple of 10 (80-73)I know the 1 digit gap from a multiple of 10 (84-80)I know the total gap across a multiple of 10 (84-77)I can take a multiple of 10 from any 2 digit number (46-20)I can find the 2 gaps in a 2 digit – 2 digit question (46 – 17 = 3 + 26)I can solve any 2 digit – 2 digit (46-17) |
| MultiplicationI can write out repeated addition (3+3+3+3)I can solve repeated addition (3+3+3+3=12) | MultiplicationI can solve repeated addition (3+3+3+3=12) | MultiplicationI can solve 1 digit x 2 digit  |
| DivisionI can find how many altogether by counting 2’s,5’s and 10’s | DivisionI can arrange a division number sentence (15÷ 3 = 15 blocks, 3 piles)I can solve a division number sentence with objectsI can solve division using objects with remainders (17÷3=5r2) | DivisionI can use a tables fact to find a division fact (15÷5)I can use a tables fact to find a division fact with remainders (17÷5) |

**CLiC Maths long term plan – Year 3**

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| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Counting** |  |  |
| I can read 3digit numbersI can partition a 3digit numberI can understand 2 digit numbersI can count in 3’sI can count in 20’s, 200’s, 2000’s, ¼’s I can count along when they numbers are written in (number line) | I can read 3 digit numbersI can partition a 3 digit numberI can understand 2 digit numbersI can count in 4’sI can count in 1000’sI can count along when they numbers are written in (number line) | I can read 3 digit numbersI can partition a 4 digit numberI can partition a 1decimal place numberI can understand 3 digit numbersI can count in 8’sI can count in 1/10’s and 0.1’sI can count along when they numbers are written in (number line) |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Learn Its** |  |  |
| 3x table | 4x table | 8x table |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Its nothing new** |  |  |
| I can swap objectsI can add thousandsI can double 2 digit numbers(without crossing ten) (44 = 88)I can double 2 digit numbers (crossing 10) (26=52)I know half of 300,500,700,900I can find the missing piece to 100 (54 + □=100) (jigsaw numbers)I can multiply whole numbers by 10 (13x10)I can divide multiples of 10 by 10 (130÷10)I can complete a 1,2,5,10 coin cardI can find mully using my tablesI know the fact families for 1 digit x 1 digit facts (2x9=18, 9x2=18) | I can swap objectsI can add thousandsI can double 3 digit multiples of 100 (without crossing 10) (400=800)I can double 3 digit multiples of 100 (crossing 10) (600=1200)I know half of 300,500,700,900I can find the missing piece to 100 (54 + □=100) (jigsaw numbers)I can multiply whole numbers by 10 (13x10)I can divide multiples of 10 by 10 (130÷10)I can multiply multiples of 10 (3x50)I can write sile multiplication tables (1x50=,2x50=, 3x…)I can complete a full coin card (1,2,5,10,20,50,100)I can find mully using 10 lots and a tables fact (chn know 10 lots of 3 are 30 & work up from there)I know the fact families for 1 digit x 1 digit facts (2x9=18, 9x2=18) | I can swap amounts (3million+4million=7million)I can swap units of measure (3kg+4kg=7kg)I can add thousandsI can double 3 digit numbers (without crossing 10) (324=648)I can double 3 digit numbers (crossing 10) (645=1290)I know half of 300,500,700,900I can find the missing piece to 100 (54 + □=100) (jigsaw numbers)I can multiply whole numbers by 10 (13x10)I can divide multiples of 10 by 10 (130÷10)I can write smile multiplication fact families (30x70=210, 7x30=210,210÷30=7,210÷7=30)I can complete a full coin card (1,2,5,10,20,50,100)I can find mully using 10 lots and a tables fact (chn know 10 lots of 3 are 30 & work up from there)I know smile multiplication fact families (20x90=1800, 90x20=1800) |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Calculation** |  |  |
| AdditionI can solve any 2digit + 2 digit | AdditionI can solve 3 digit + 2 digit (432+24)I can solve any 3 digit + 2 digit (432+88) | AdditionI can solve 3 digit + 3 digit (241+328) |
| SubtractionI can take any 2 digit number from 100 (100-35) | Subtraction I can take any 2 digit number from 100 (100-35) | SubtractionI can take 100 from any 3 digit number (682-100) |
| MultiplicationI can solve 1 digit x 1 digit for x2,3,4,5 (4x2) | MultiplicationI can do smile multiplication for x2,3,4,5 | MultiplicationI can solve 1 digit x 2 digit for x2,3,4,5 (4x23) |
| DivisionI can use a tables fact to find a division fact with remainders for 2,3,4,5 x tables (17÷5) | DivisionI can use a tables fact to find a division fact with remainders for 2,3,4,5 x tables (17÷5) | DivisionI can combine 2 or more table facts to solve division for 2,3,4,5 x tables (65÷5) (knowing 10 lots of 5 are 50 and then one other fact)I can combine 2 or more table facts to solve division with remainders for 2,3,4,5 x tables (68÷5) (knowing 10 lots of 53 are 50 and then one other fact) |

**CLiC Maths long term plan – Year 4**

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| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Counting** |  |  |
| I can read 3 digit numbersI can partition a 2 decimal place numberI can understand 4 digit numbersI can count in 6’sI can count in 7’sI can count in 9’sI can count in 25’s, 250’s, 2500’sI can still count along for all ‘count fourways’ challenges | I can read 3 digit numbersI can partition a 2 decimal place numberI can understand decimal place numbersI can count in 0.2’s, 0.5’s, 0.25’sI can even count along when there are no lines (read values between lines on a scale/number line) | I can read 3 digit numbersI can partition a 2 decimal place numberI can understand 2 decimal place numbersI can count in 1/5’sI can even count along when there are no lines (read values between lines on a scale/number line) |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Learn Its** |  |  |
| The 6 fact challenge (there are only 6 new facts to learn due to switchers) (6x6,6x7,7x7,9x6,9x7,9x9) | 11x table | 12x table |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Its nothing new** |  |  |
| I can add thousandsI know half of 300,500,700,900I can find the missing piece to 1000 (417 + □ = 1000) (jigsaw numbers)I can multiply whole numbers by 100 (13x100)I can divide multiples of 10 by 10 (130÷10)I can write smile multiplication fact families (30x70=210, 7x30=210,210÷30=7,210÷7=30)I can complete a full coin card (1,2,5,10,20,50,100)I can find mully using 10 lots and a tables fact (chn know 10 lots of 3 are 30 & work up from there) | I can add tenths (0.3+0.4=0.7)I know half of 3,5,7,9 as decimals (3=1.5)I can find the missing piece to 1000 (417 + □ = 1000) (jigsaw numbers)I can multiply whole numbers by 100 (13x100)I can divide whole numbers by 10 or 100 giving decimal answers (135÷10=13.5)I can write smile multiplication fact families (30x70=210, 7x30=210,210÷30=7,210÷7=30)I know when to add 2 multiples together from coin multiplication (add 2 coin facts to get an answer = 5x32 + 10x32 will give 15x32)I can find mully using 10 lots and a tables fact (chn know 10 lots of 3 are 30 & work up from there) | I can add tenths (0.3+0.4=0.7)I can halve any 2 digit number (78=39)I can halve any 3 digit number (496=248)I can find the missing piece to 1000 (417 + □ = 1000) (jigsaw numbers)I can multiply whole numbers by 100 (13x100)I can divide whole numbers by 10 or 100 giving decimal answers (135÷10=13.5)I can write smile multiplication fact families (30x70=210, 7x30=210,210÷30=7,210÷7=30)I know when to add 2 multiples together from coin multiplication (add 2 coin facts to get an answer = 5x32 + 10x32 will give 15x32)I can find mully using smile multiplication (see page 192)I can find multiples (3rd multiple of 10 is 30)I can find factors of numbers |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Calculation** |  |  |
| AdditionI can solve 3 digit + 3 digit (241+328) | AdditionI can solve any 3 digit + 3 digit (385+867) | AdditionI can solve 3 digit + 3 digit as money (£2.41+£3.53)I can solve any 3 digit + 3 digit as money (£3.85+£8.67) |
| SubtractionI can take 100 from any 3 digit number (682-100) | Subtraction I can take 100 from any 3 digit number (682-100) | SubtractionI can solve 3 digit - digit (682-35) |
| MultiplicationI can solve any 1 digit x 1 digit (7x8) (from 6,7,8,9 x tables)I can do any smile multiplication (80x70) | MultiplicationI can solve any 1 digit x 2 digit (7 x 86) (from 6,7,8,9 x tables) | MultiplicationI can solve any 1 digit x 2 digit (7 x 86) (from 6,7,8,9 x tables) |
| DivisionI can combine 2 or more table facts to solve division with remainders for 2,3,4,5 x tables (68÷5) (knowing 10 lots of 53 are 50 and then one other fact) | DivisionI can combine 2 or more table facts to solve division with remainders for 2,3,4,5 x tables (68÷5) (knowing 10 lots of 53 are 50 and then one other fact) | DivisionI can use a tables fact to find a division fact from 6,7,8,9 x tables (45÷9)I can use a tables fact to find a division fact from 6,7,8,9 x tables with remainders (47÷9)I can combine 2 or more table facts to solve division from 6,7,8, x tables (78÷6) (think 10 lots and then another fact)I can combine 2 or more table facts to solve division from 6,7,8, x table with remainders (80÷6) (think 10 lots and then another fact) |

**CLiC Maths long term plan – Year 5**

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| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Counting** |  |  |
| I can read 6,5,4 digit numbersI can partition a 2 decimal place numberI can understand 2 decimal place numbersI can count in -1’sI can even count along when there are no lines (read values between lines on a scale/number line) | I can read 9,8,7 digit numbersI can read numbers with decimal placesI can partition a 2 decimal place numberI can understand 2 decimal place numbersI can count in -2’s and -5’sI can count along any number line (range of scales) | I can partition a 3 decimal place numberI can understand 3 decimal place numbersI can understand 5,6,7,8 digit numbersI can count in -25’sI can find the gap between 2 negative numbers |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Learn Its** |  |  |
| Complete (revision?) | Complete (revision?) | Complete (revision?) |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Its nothing new** |  |  |
| I can add hundredths (0.03 +0.04)I can find the missing decimal place (7.6+□=10)I can multiply decimals by 10 (1.3x10)I can divide decimals by 10 (13.5÷10)I can do smile multiplication for tenths (3 x 0.7 = 2.1)I know when to add 2 multiples together from coin multiplication (add 2 coin facts to get an answer = 5x32 + 10x32 will give 15x32)I can find mully using smile multiplication and table facts (page 193)I can find factors of numbers | I can multiply decimals by 100 (1.3x100)I can divide decimals by 100 (135÷100)I can do smile multiplication for hundredths (3 x 0.07)I know when to add 3 multiples together from coin multiplication (e.g add the 5,10 and 50 from coin table) I can find mully using coin multiplication (page 195) (285÷14 – do coin card for 14)I understand square numbers | I can multiply whole numbers and decimals by 1000I can divide whole numbers and decimals by 1000I understand prime numbers |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Calculation** |  |  |
| AdditionI can solve 1 decimal place + 1 decimal place (0.4+0.3)I can solve any 1 decimal place + 1 decimal place (0.8+0.9) | AdditionI can solve 1 digit 1 decimal place + 1 digit 1 decimal place (3.4 + 2.5)I can solve any 1 digit 1 decimal place + 1 digit 1 decimal place (6.7 + 8.4) | AdditionI can solve additions with 2 decimal places (4.37+4.62)I can solve any additions with 2 decimal places (3.85+8.67)I can solve additions with larger numbers (3819+9632) |
| SubtractionI can solve 4 digit – 2 digit (4628-35) | Subtraction I can solve 3 digit – 3 digit (628-235)I can solve 3 digit – 3 digit as money (£6.28-2.35) | SubtractionI can subtract with hundredths (6.28-2.35)I can subtract numbers with tenths (4.5-1.7)I can solve any whole number subtraction question (4603-167) |
| MultiplicationI can solve any 1 digit x 2 digit (7 x 86) (from 6,7,8,9 x tables) | MultiplicationI can solve 1 digit x 3 digit (6x725)I can show my understanding for 2 digit x 2 digit (38x69)(multiplication grid using smile) | MultiplicationI can show my understanding for 2 digit x 2 digit (38x69)(multiplication grid using smile) |
| DivisionI can use a smile multiplication fact to find a division fact (150÷5 = look at it as 15÷5)I can use a smile multiplication fact to find a division fact with remainders (152÷5 = look at it as 15÷5) | DivisionI can combine a smile multiplication fact with a tables fact to solve division (165÷5 = (150÷5 and 15÷5)I can combine a smile multiplication fact with a tables fact to solve division with remainders (169÷5 = (150÷5 and 15÷5) | DivisionI can use a coin fact to find a division fact (280÷14)(write out full coin card)I can use a coin fact to find a division fact with remainders (286÷14)(write out full coin card)I can combine 2 or more coin facts to solve division (308÷14 = add the 2 and the 20 together)I can combine 2 or more coin facts to solve division with remainders (310÷14 = add the 2 and the 20 together) |

**CLiC Maths long term plan – Year 6**

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| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Counting** |  |  |
| I can understand numbers with different decimal placesI can find the gap between a negative number and a positive number | Complete (revision) | Complete (revision) |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Learn Its** |  |  |
| Complete (revision) | Complete (revision) | Complete (revision) |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Its nothing new** |  |  |
| Complete (revision) | Complete (revision) | Complete (revision) |
| **Autumn Term** | **Spring Term** | **Summer Term** |
| **Calculation** |  |  |
| AdditionI can solve additions with several numbers (1202+45+367)I can solve 2 decimal place + 1 decimal place (3.33+2.5)I can solve any 2 decimal place + 1 decimal place (8.67+29.8) | AdditionComplete (revision) | AdditionComplete (revision) |
| SubtractionI can subtract numbers with different decimal places (5.6-3.75) | Subtraction Complete (revision) | SubtractionComplete (revision) |
| MultiplicationI can solve 1 digit x 1 digit 1 decimal place (4 x 2.3)I can solve 1 digit x 1 digit 2 decimal place (6 x 2.37) | MultiplicationComplete (revision) | MultiplicationComplete (revision) |
| DivisionI can use a tables fact to find a decimal division fact (2.4 ÷8 = look at it as 24÷8)I can combine 2 or more table facts to solve decimal division (42.4÷8 = look at it as 40÷8 and 24÷8) | DivisionComplete (revision) | DivisionComplete (revision) |