Curriculum for Excellence – Second Securing

Curriculum Map for Numeracy

P7

Aug-Dec of P7

- ☐ + or - any single digit number to / from 2 or 3 digits e.g. 195 + 8, 323 - 7
- ☐ revise all tables for multiplication and division

  MNU 2-03a
- ☐ use decimals to find halves of whole numbers e.g. 1/2 of 7 is 3.5, 1/2 of 11 = 5.5

  MNU 2-07a
- ☐ give remainders to division e.g. 17÷8, 24÷9

  MNU 2-03a
- ☐ multiply and divide decimals by 10 and 100 **and 1000** e.g. 2.8x100, 3.57x100 and 4.8÷10, 3.14÷1000,

  MNU 2-03b
- ☐ find 2/3, 3/4, 2/5 etc of quantities e.g. 2/3 of 12, 3/4 of 20, 2/5 of 20, 3/5 of 10, 4/5 of 30 and fractions of 3 digit numbers e.g. 1/4 of 600

  MNU 2-07a
- ☐ bond 3 digit numbers with 1000, e.g. 505 and 495, and find the change from £10 e.g. £5.05

  MNU 2-09a
- ☐ add and subtract 2 digit numbers to / from 2 digit numbers e.g. 69+36, 74-29

  MNU 2-03a
- ☐ convert between 12 and 24 times, find time differences, eg between 15:45 and 16:05 and simple time / distance / speed calculations

MNU 2-10a/MNU 2-10c

- ☐ find 50%, 25% and 10% of quantities e.g. 25% of 12 apples, 10% of 40 kg

  MNU 2-07a
- ☐ recognise the equivalence between fractions, decimals and percentages e.g. 1/4 = 0.25 = 25% or 3/4 = 0.75 = 75%, 1/5 = 0.2 = 20%

  MNU 2-07a
- ☐ multiply and divide 2 and 3 digit numbers by a single digit e.g. 55x6, (teach 50 x 4 = 200 then 6 x 4 = 24 so 200 + 24 = 224) and 80÷5 (teach to look for groups of 10 first e.g. 10 5s in 50, leaving 30 which has 6 5s, so answer is 16)

  MNU 2-03a
- ☐ find change from £5, £10 and £20, compare costs and determine what can be afforded

  MNU 2-09a
- ☐ add and subtract simple decimals e.g. 5 + 1.7 and 6 - 2.5

  MNU 2-07a

Jan - March of P7

- ☐ find the doubles of any 2 or 3 digit number e.g. 2x56, 2x87, 2x242, 2x351, ..

  MNU 2-03a
- ☐ do simple addition and subtraction of fractions e.g. 1/2+1/4, 3-1/2, 2/5+3/5, 1/2-1/4

  MNU 2-07a

- ☐ + and - 2 digit numbers to/from 2 digit numbers e.g. 69+37 or 51-28, including simple decimals e.g. 2.5+0.4 or 3.6-0.4

  MNU 2-07a
- ☐ do simple additions involving negative numbers e.g. 5+(-3) or (-2)+7

  MNU 3-04a
- ☐ use decimals to find halves and quarters e.g. 1/2 of 2.5 is 1.25, 1/4 of 9 is 2.25

  MNU 2-03b
- ☐ add and subtract multiples of 10 and 100 to / from 4 digits e.g. 2,684+300, 5,167-60

  MNU 2-03a
- ☐ multiply and divide decimals by 10 and 100 eg 61.6x10, 31÷10, 9.8x100, 236.3÷10

  MNU 2-03b
- ☐ find 2/3, 3/4, 2/5 etc e.g. 2/3 of 18, 3/4 of 24,2/5 of 30, 3/5 of 40, 4/5 of 35, ... , 1/6, 1/7 and 1/8, and simple fractions of 3 digit numbers e.g. 1/2 of 950

  MNU 2-07a
- ☐ find 50%, 25% and 10% of simple quantities e.g. 25% of 32m, or 10% of 40

  MNU 2-07a
- ☐ recognise the equivalence between fractions, decimals and percentages e.g. 2/5 = 0.4 = 40%,

  MNU 2-07b
- ☐ multiply 2 digit numbers by a single digit e.g. 56x4 (teach 50 x 4 = 200 then 6 x 4 = 24 so 200 + 24 = 224)

  MNU 2-03a

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Curriculum Map for Numeracy

☐ divide 2 and 3 digit numbers by a single digit e.g. 80 ÷ 5, 192 ÷ 6

MNU 2-03a

☐ convert between related units of the metric system and use common units when estimating sizes, including perimeters areas and volumes

MNU 2-11b

☐ give remainders to division e.g. 17÷8, 24÷9

MNU 2-03a

☐ continue patterns for level 2

MNU 2-13a

April - June of P7

☐ multiply and divide decimals by 10 and 100 e.g. 31.6x10, 53.06x10, 119.8x100, 23.06x100 and 143÷10, 47.05÷10, 155÷100, …

MNU 2-03b

☐ give change from £20, and compare costs and determine what can be afforded

MNU2-09a

☐ use order of calculation, where x and ÷ have priority over + and – e.g. (3x4)+2

MTH 2-13a

☐ find fractions of quantities e.g. 2/3 of 27, 3/4 of 32, 4/5 of 40, 1/6 of 36, 1/7 of 35,

MNU 2-07a

☐ find 50%, 25%, and 10% e.g. 50% of 7 kg, 25% of £24, 10% of 18

MNU 2-07a

☐ use decimals to find 1/2 or 1/4 e.g. 1/2 of 2.5 is 1.25, 1/4 of 13 is 3.25

MNU 2-03b

☐ add and subtract multiples of 10 and 100 to / from 4 digits e.g. 4288+800, 5177-80

MNU 2-03a

☐ recognise the equivalence between fractions, decimals and percentages **and money** e.g. 2/3 = 0.67 = 67%, **40% = 40/100 = 4/10 = 2/5= 0.4 = 40p/£**

MNU 2-07b

☐ multiply and divide 2 and 3 digit numbers by a single digit e.g. 75x4, 55x8, and 90÷5, 252÷6

MNU 2-07b

☐ + and - fractions such as 1 - 2/5 or 1¼+ ¾ and recognise if a fraction is > or < than ½ e.g. 2/5 is less, 3/5 is more

MNU 2-07a

☐ do simple additions involving negative numbers e.g. 8+(-5) or (-3)+7

MNU 3-04a

☐ calculate time differences using electronic or paper based time tables and do simple time / distance / speed calculations

MNU 2-10a

☐ add and subtract simple decimals e.g. 3.6 + 2.5 and 2.7 - 1.2

MNU 2-03b

☐ multiply 3 digit numbers by a single digit e.g. 156x4

MNU 2-03a

☐ **investigate prime numbers to 20**

☐ **investigate first 20 square numbers**

☐ **investigate the effect of multiplying and after dividing by a number less than one e.g. 6 x 0.1 = 0.6 6 divided by 0.1 = 0.6**

☐ **develop extended tables**

☐ **investigate place value and link with money and metres/cms e.g.**

M   TH
H T U   H T U   H T U . t   h th
£ . 10p 1p 0.1p
M . dm cm mm

MNU