Curriculum for Excellence – Third Developing
Curriculum Map for Numeracy

P7 + Moving On

Aug-Dec

☐ multiply and divide 2 and 3 digit numbers by a single digit eg 75x5, 220x5, and 700÷5, 240÷8

MNU 0-2a

☐ bond 2 dp numbers with 1 and 10 eg 0.52 and 0.48, or, 7.25 and 2.75

MNU 3- 03b

☐ multiply and divide decimals by 10, 100 and 1000 eg 2.05x1000, 742÷1000

MNU 3-03b

☐ use 24 hour time formats to find longer time differences eg between 13:35 and 15:12

MNU 3-10a

☐ find fractions of quantities such as 2/3 of 21, 3/4 of 36, 4/5 of 45, 9/10 of 30, and more complex eg 2/3 of 240, 3/4 of 120, 2/5 of 300

MNU 2-03b/ MNU 3-03b

☐ round 2dp and 1dp and whole numbers to a required or appropriate degree of accuracy

MNU 3-01a

☐ find 10%, 25% and 50% of more complex quantities eg 50% of £3.64, 10% of 42m or 25% of £9 and 75% of £24 etc

MNU 3-07b

☐ recognise more complex equivalencies between fractions, decimals and percentages eg 2/5 = 0.4 = 40%, or, 9/10 = 0.9 = 90%, or 1/20=0.05=5%

MNU 2-03b/ MNU 3-03b

☐ add or subtract decimals eg 1.55 + 2.3 or 4.75-1.2 or 4 - 1.3 or 2.25+1.1

MNU 3-03b

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

MNU 2-03a/ MNU 3-03a

☐ find 1/2, 1/3, 1/4, 1/5, 1/6, 1/7, 1/8, 1/9 and 1/10 of more complex quantities including decimals eg 1/2 of 5.6, 1/4 of 3.6, 1/3 of 2700, 1/5 of 320

MNU 2-03b/ MNU 3-03b

☐ find halves and doubles of 3 or 4 digit numbers eg 1/2 of 2258 or 2x3455

MNU 3-03a

☐ use order of calculation, where x and ÷ have priority over + and –

MNU 3-03c

Jan – March

☐ multiply and divide decimals by 10, 100, and 1000 eg 0.64x10, 53.06÷10, 0.155x100, 71.2÷100, 8.25x1000, 342÷1000

MNU 3-03b

☐ find 1/2 and 1/4 of decimal quantities eg 1/2 of 1.5 = 0.75 or 1/4 of 5 = 1.25

MNU 3-03b

☐ find 10%, 25%, 50% and 75% of more complex quantities eg 50% of 5.8kg,

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10% of 4.6m or 25% of 3L or 75% of 12m

MNU 3-03b

☐ find longer time differences eg how long between 07:22 and 09:00

MNU 3 -10a

☐ x and ÷ by multiples of 10 and 100 eg 200x30, 4000÷50, 150x5, 5000÷20

MNU 2-03a/ MNU 3-03a

☐ add and subtract fractions such as 3 - 13/7 or 22/5 + 14/5

MNU 2-03b/ MNU 3-03b

☐ multiply and divide decimals by a single digit eg 2.8x2 or 3.6÷4 or 2.5x5 or 8.4÷7

MNU 3-03b

☐ estimate where a 3dp would be on a number line from 0-1 eg where would 0.35 or 0.625 be?

MNU 3-04a

☐ add and subtract negative numbers eg 6+(-4), or (-1) + 6, or (-7) - (5), or (-8) + (-4)

MNU 3-04a

☐ convert between decimals, fractions, % and ratios eg 0.95 = 19/20 = 95% = 19:1

MNU 3-08a

☐ give common squares and roots eg 32, √81

MNU 3-06a

☐ find fractions of more complex quantities, including decimals eg 1/6 of 420, 4/5 of 60,

MNU 3-03b

☐ add and subtract decimals eg 3 - 1.6 or 4.55 + 1.3 or 2.75 - 1.2

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MNU 3-03b

April – June

☐ multiply and divide decimals by 10, 100, and 1000 eg 2.64 x 10, 353.6 ÷ 10, 2.55 x 100 371.2 ÷ 100, 82.5 x 1000, 3042 ÷ 1000

MNU 3-03b

☐ find 1/2 and 1/4 and now 1/5 of decimal quantities eg 1/2 of 3.5, 1/4 of 7, 1/5 of 6

MNU 2-03b/ MNU 3-03b

☐ x and ÷ by multiples of 10 and 100 eg 400 x 500, 3000 ÷ 60, 250 x 6, 7000 x 800

MNU 2-03b/ MNU 3-03b

☐ multiply and divide decimals by a single digit eg 1.6 x 3 or 5.2 ÷ 4 or 2.2 x 6 or 10.4 ÷ 8

MNU 3-03b

☐ add and subtract fractions such as 3 - 13/7 or 22/5 + 12/5 or 11/2 - ¾

MNU 3-03b

☐ x and ÷ negative numbers eg 6x(-4), or (-2)x(-8), or (30)÷(5), or (-24)÷(-4)

MNU 3-04a

☐ give common squares and square roots eg 72 or √64

MNU 3-06a

☐ estimate arrival times given start and length of journey eg leave at 18:55 and travel for 11/2 hours - when should they arrive?

MNU 3-10a

☐ find fractions of more complex quantities, including decimals eg 1/7 of 420 or 4/5 of 400 or 1/6 of 5.4 or 2/3 of 240

MNU 3-03b

☐ add and subtract decimals eg 4 - 2.6 or 4.55 + 1.5 or 2.25 - 1.3 or 1.8-0.25

MNU 3-03b

☐ convert decimals, fractions, % and ratios eg 0.6 = 3/5 = 60% = 3:2 or 0.33 = 1/3 = 33% = 1:2 or 0.7=7/10=70%=7:3

MNU 3-07a

☐ find 10%, 25%, 50% and 75% of more complex quantities eg 50% of 1.1kg, 10 or 75% of 28kg

MNU 3-03b