Year 6: Week 13

Monday

I can use formal methods for addition, subtraction, multiplication & division involving decimals.

8.67 + 43.9	34.8 – 6.97	35.72 x 9	58.56 ÷ 6
52.57	27.83	321.48	9.76

Tuesday

I can compare fractions using <, = and >

$^{1}/_{2} = {}^{6}/_{12}$	$^{1}/_{4} < {}^{4}/_{12}$	$^{5}/_{6} > {}^{1}/_{3}$
$^{1}/_{8} < {}^{4}/_{16}$	$^{9}/_{20} > {}^{4}/_{10}$	$^{1}/_{5} = {}^{4}/_{20}$
$^{10}/_{12} > {}^{3}/_{4}$	$^{2}/_{3} < {}^{15}/_{18}$	$^{7}/_{9} > {}^{12}/_{18}$
$^{15}/_{16} > {}^{7}/_{8}$	$^{4}/_{5} = {}^{24}/_{30}$	$^{5}/_{7} < {}^{16}/_{21}$

Wednesday

I can convert improper fractions and mixed numbers.

$3^{1}/_{2} = {}^{7}/_{2}$	$2^{2}/_{3} = {}^{8}/_{3}$	$1^{1}/_{4} = {}^{5}/_{4}$
$4^{2}/_{5} = {}^{22}/_{5}$	$1^{7}/_{10} = {}^{17}/_{10}$	$2^{5}/_{8} = {}^{21}/_{8}$
$^{9}/_{2} = 4^{1}/_{2}$	$^{15}/_{4} = 3^{3}/_{4}$	$^{26}/_{5} = 5^{1}/_{5}$
$^{14}/_{3} = 4^{2}/_{3}$	$^{29}/_{10} = 2^{9}/_{10}$	$^{11}/_{6} = 1^{5}/_{6}$
$10^{7}/_{9} = {}^{97}/_{9}$	$8^{3}/_{7} = {}^{59}/_{7}$	$7^{5}/_{6} = {}^{47}/_{6}$
$^{43}/_{8} = 5^{3}/_{8}$	$^{77}/_{9} = 8^{5}/_{9}$	$^{39}/_{4} = 9^{3}/_{4}$

Year 6: Week 13

Thursday

I can add and subtract fractions. *(Tip: Find a common denominator!)*

$^3/_8 + {}^5/_8 = {}^8/_8 = 1$	$^5/_6 - {}^2/_6 = {}^3/_6 = {}^1/_2$	$^3/_4 + {}^2/_4 = {}^5/_4 = 1{}^1/_4$
$^1/_3 + {}^5/_6 =$ $^2/_6 + {}^5/_6 = {}^7/_6 = 1{}^1/_6$	$^4/_5 - {}^3/_{10} =$ $^8/_{10} - {}^3/_{10} = {}^5/_{10} = {}^1/_2$	$^2/_3 + {}^7/_9 =$ $^6/_9 + {}^7/_9 = {}^{13}/_9 = 1{}^4/_9$
$^3/_5 - {}^1/_2 =$ $^6/_{10} - {}^5/_{10} = {}^1/_{10}$	$^1/_3 + {}^2/_5 =$ $^5/_{15} + {}^6/_{15} = {}^{11}/_{15}$	$^3/_4 - {}^1/_3 =$ $^9/_{12} - {}^4/_{12} = {}^5/_{12}$
$^3/_4 + {}^1/_6 =$ $^9/_{12} + {}^2/_{12} = {}^{11}/_{12}$	$^2/_3 - {}^1/_2 =$ $^4/_6 - {}^3/_6 = {}^1/_6$	$^2/_5 + {}^1/_4 =$ $^8/_{20} + {}^5/_{20} = {}^{13}/_{20}$

Friday

I can calculate fractions of numbers.

$^1/_3$ of 24 = 8	$^1/_4$ of 48 = 12	$^1/_{10}$ of 70 = 7	$^1/_5$ of 35 = 7
$^3/_{10}$ of 60 = 18	$^5/_8$ of 40 = 25	$^5/_6$ of 36 = 30	$^4/_9$ of 18 = 8
$^3/_8$ of 64 = 24	$^2/_3$ of 27 = 18	$^9/_{10}$ of 60 = 54	$^3/_4$ of 44 = 33
$^3/_4$ of 160 = 120	$^5/_8$ of 320 = 200	$^3/_5$ of 450 = 270	$^2/_6$ of 480 = 160
$^4/_5$ of 150 = 120	$^3/_4$ of 240 = 180	$^7/_{10}$ of 800 =560	$^2/_3$ of 270 = 180

Challenge 1

Put the fractions in order from smallest to largest.

$\frac{7}{8}$ $\frac{1}{2}$ $\frac{9}{8}$ $\frac{3}{4}$

_____ _____ _____ _____

(Smallest) *(Largest)*

Challenge 2

Draw lines to show where each fraction belongs on the number line.

$\frac{1}{2}$ $\frac{1}{5}$ $\frac{3}{100}$ $\frac{18}{20}$ $\frac{4}{10}$