Neptune Week 10 Answers

Literacy

Numeracy

Reach 100

Some thoughts and possible solutions can be found here:
https://nrich.maths.org/1130/solution

Two Possible Solutions:

2	1
3	8
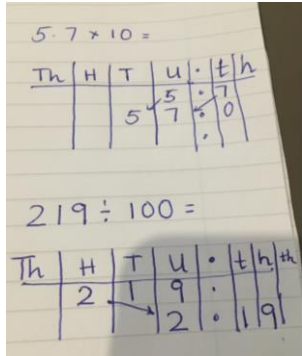
21 + 38 +23 + 18 = 100

1	4
2	7

14 + 27 + 12 + 47 = 100

Multiplying and Dividing Decimals by 10, 100, 1000

(1) 57, 570, 5700
(2) 230.2, 2302, 23020
(3) 9.2, 92, 920
(4) 3.06, 30.6, 306
(5) 4.3, 0.43, 0.043
(6) 21.9, 2.19, 0.219
(7) 6.4, 0.64, 0.064
(8) 256, 25.6, 2.56

Balancing Puzzle

1. **Remove as many blocks as possible from each side so that it remains balance.**
   Whatever you remove from one side, you must also remove from the other side. Look at what is left. If we know that the circle = 12oz, we can work out the weights of the other shapes.
   (circle = 12oz, triangle = 12oz, square = 12oz, rectangle = 6oz, star = 4oz)
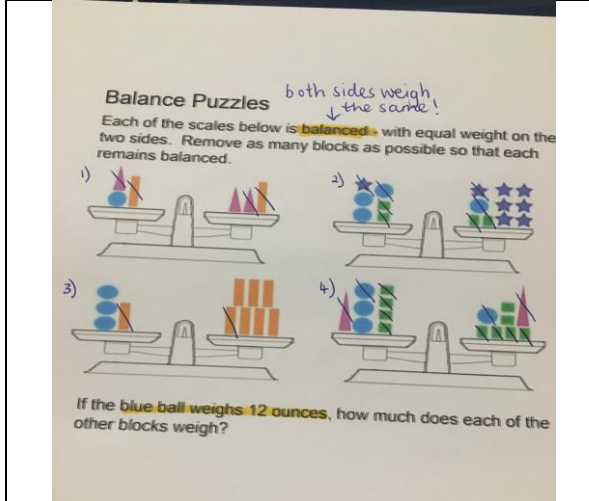
We know that the circle = 12oz
1) If 1 circle = 1 triangle, 1 triangle also = 12oz
2) 2 circles (24 oz) = 6 stars
   1 star = 24oz ÷6 = 4oz
3) 3 circles (36oz) = 6 rectangles
   1 rectangle = 36oz ÷ 6 = 6oz
4) 2 circles = 2 squares
   1 circle (12oz) = 1 square, square = 12oz

Other