Bronze

- Place value chart representing 46,100
- 2a. 162,510 circled
- 3a. 6,461,000
- 4a. 100
- 1b. 2,695 pages.
- 2b. circle = 10 because 812 x 10 = 8,120
- 3b. B is the odd one out because 9,189 x
- 100 = 918,900

Silver

- 5a. Place value chart representing 26,130
- 6a, 3,520,100 circled
- 7a. A = 183,600; B = 410,590; C = 6,273,000
- 8a, 100 and 10
- 4b. 237,816 seeds.
- **5b.** A. triangle = 1,000 because 480 x 1,000
- = 480,000
- B. square = 100 because 20,705 x 100 = 2,070,500
- C. circle = 10 because 4,816 x 10 = 48,160
- 6b. C is the odd one out because 7.250 x
- 10 = 72,500 and 702 x 100 = 70,200

<u>Gold</u>

- 9a. 1,602,000
- 10a. 3,705,000 and 425,500 circled
- 11a. A = 405,400; B = 2,306,000ml; C =
- 6,723,000cm
- 12a. 10 and 100 or 100 and 10; 10 and 10.

7b. 115,605ml.

8b. A. circle and triangle = 10 because 9,605 x 10 x 10 = 960,500

B. square = 10 if the trapezium = 1,000 or the square = 1,000 if the rectangle = 10 because 710 x 1,000 x 10 = 7,100,000

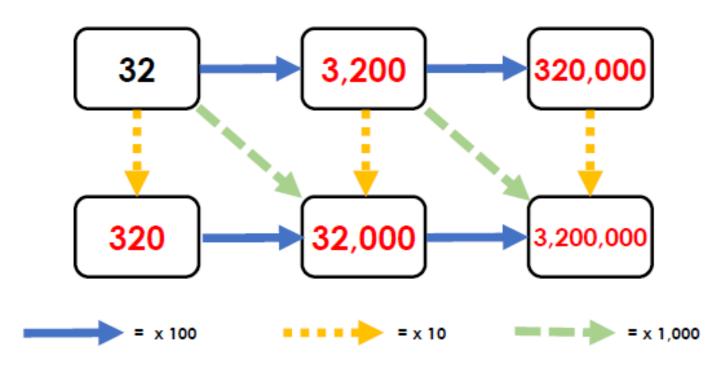
C. rectangle = 10 if the triangle = 100 or the rectangle = 100 if the triangle = 10 because 2,060 x 10 + 100 = 2,060,000

9b. A is the odd one out because 104 tens and 1 one x 100 = 104,100 and 100 tens and 45 ones x 10 = 10,450

Challenge

1. Here is a puzzle. The horizontal, vertical and diagonal arrows represent either multiply by 10, 100 or 1,000.

Investigate the different ways to complete the puzzle. Various answers, for example:



Arrange the loop cards so that each calculation is matched to the correct answer.
 Fill in the missing card to complete the loop.

forty-four thousand, three hunded and twenty-one multiplied by 100	4,432,100 72,234 x 10 722,340 the product of 44,321 and 10 443,210	one thousand, four hundred and eleven multiplied by 100
585,000		141,000
585 x 100 x 10		72,234 × 10 × 10
37,359	5,378 x 100	004,852,7