

## Bronze

1a. A = 440, B = 440, C = 4,400. C is the odd one out.

2a. 6,400

3a. B and C are correct.

4a. A = 9, B = 9,000, C = 90

1b. Joseph is incorrect.  $300 \times 4 = 1,200$  and  $40 \times 3 = 120$

2b. A and B are both being multiplied or divided by multiples of 10. C is not, therefore C is the odd one out.

3b.  $6,400 \div 20 = 320$ ;  $640 \div 2 = 320$ ;  $9,600 \div 30 = 320$

## Silver

5a. A = 10,200, B = 10,200, C = 1,020. C is the odd one out.

6a. 960; 9,600

7a. A is correct.

8a. A = 8,400, B = 840, C = 84,000

4b. Jake is incorrect.  $23 \times 40 = 920$  but  $2,300 \times 4 = 9,200$

5b. C is the only calculation where the divisor is not directly related to the number 90, therefore C is the odd one out.

6b.  $35,000 \div 4 = 8,800$ ;  $44,000 \div 5 = 8,800$ ;  $110 \times 80 = 8,800$ ;  $880 \times 10 = 8,800$ .

## Gold

9a. A = 350, B = 3,500, C = 350. B is the odd one out.

10a. 147; 147,000

11a. Division fact = 50. B and C are correct.

12a. A = 11,200, B = one hundred and twelve thousand, C = 1,120,000

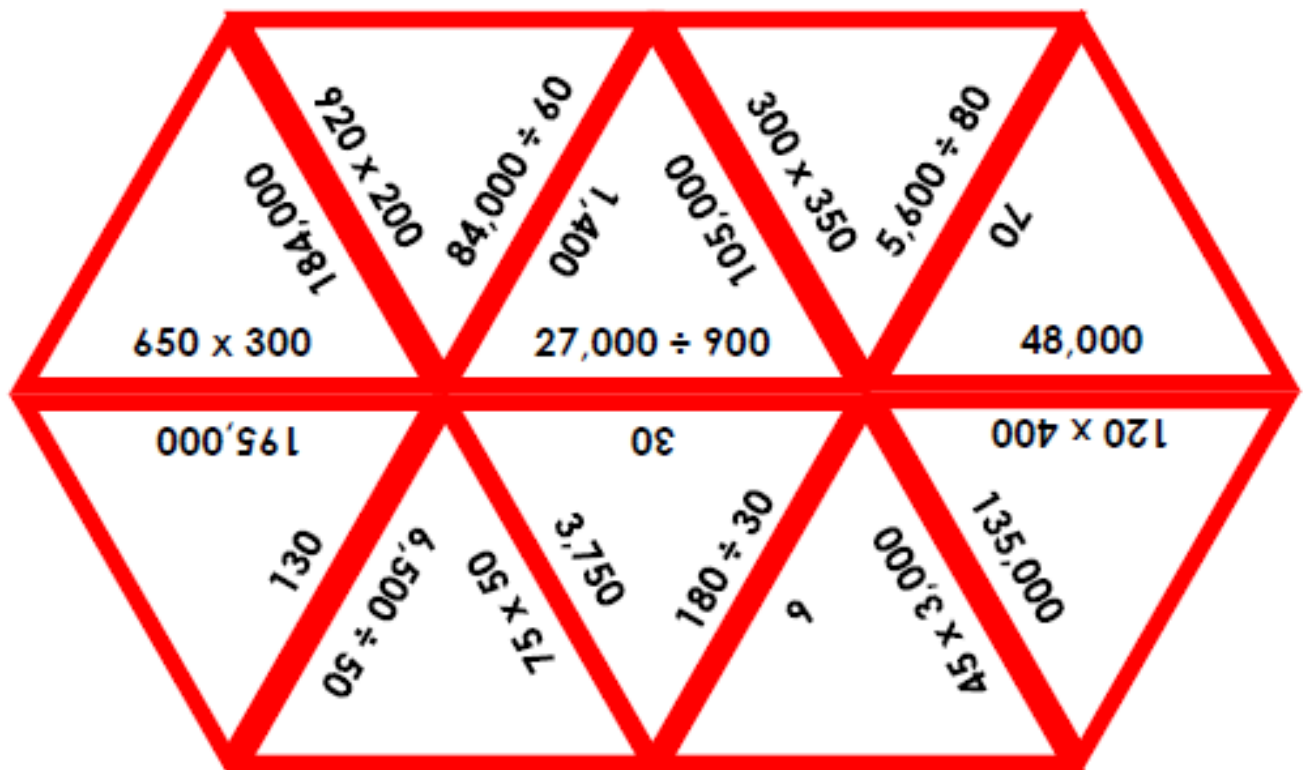
7b. Julian is incorrect.  $41,000 \times 2 = 81,000$   
but  $410 \times 20 = 8,200$ .

8b. A and B are both being multiplied or  
divided by numbers that directly relate to  
the number 20. C is not, therefore C is the  
odd one out.

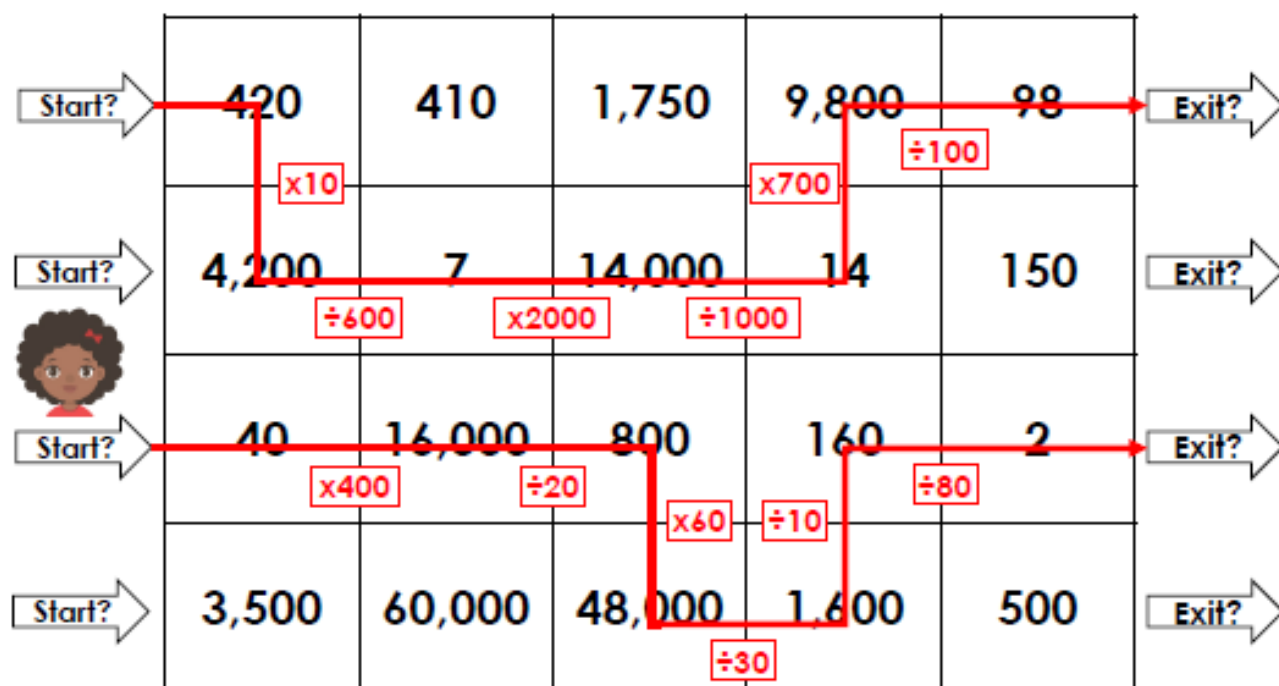
9b.  $33 \times 300 = 9,900$ ;  $66 \times 150 = 9,900$ ;  
 $49,500 \div 5 = 9,900$ ;  $19,800 \div 2 = 9,900$

### Challenge

1. Match the calculations to the correct answers to complete the puzzle.



2. Juliet needs to find an exit route for the maze below. To move, she must multiply or divide the number she is on by a multiple of 10, 100 or 1,000.



Explore the possible routes Juliet could take to exit the maze.

Various possible answers, for example: see above.