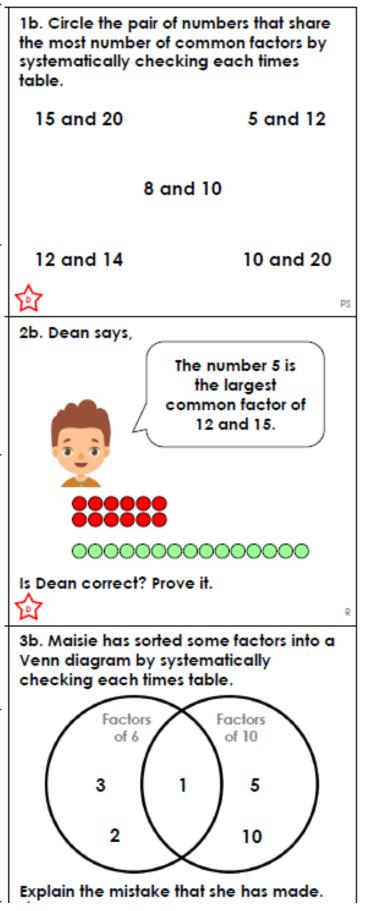
## Bronze

1a. Circle the common factors of 5 and 10 by systematically checking each times table. 3 5 10 000000000 2a. Complete the number sentences with the missing common factor. 6 = 12 00000000000 20 10 000000000 000000000 蚣 3a. Match the pairs of numbers to their common factor. You may want to draw arrays to help you. 15 and 25 3 6 and 9 2 14 and 20 5 4a. Write all the common factors for the numbers below. 10 20 000000000 0000000000 000000000



## Silver

5a. Circle the common factors of 8 and 4b. Circle the pair of numbers that share 40 by systematically checking each the most number of common factors by times table. systematically checking each times table. 2 3 4 5 6 7 8 10 16 and 24 18 and 27 00000000 000000000 9 and 21 000000000 000000000 000000000 28 and 49 25 and 55 6a. Complete the number sentences with the missing common factor. 5 = 30 5b. Benji says, 00000000000000 00000000000000 The number 3 is 48 8 the laraest common factor of 000000000000 00000000000 54 and 63. 000000000000 VF 00000000000 7a. Match the pairs of numbers to their common factor. You may want to draw arrays to help you. Is Benji correct? Prove it by working 36 and 42 11 systematically through the times tables. 55 and 99 6b. Daisy has sorted some factors into a Venn diagram by systematically 24 and 48 checking each times table. Factors Factors 8a. Write all the common factors for the of 66 of 22 numbers below. 3 2 28 Explain the mistake that she has made.

11

9a. Circle the common factors of 40 and 60.

2

11

1

12

5

10

3

20

4



10a. Complete the number sentences with the missing common factor.



x 12 = 132

= 11



11a. Match the pairs of numbers to their common factor.

84 and 108

9

26 and 52

12

72 and 144

13



12a. Write all the common factors for the numbers below.

48

60



7b. Circle the pairs of numbers that share the most number of common factors.

11 and 88

18 and 45

44 and 55

12 and 96

60 and 80

PS



8b. Scott says,

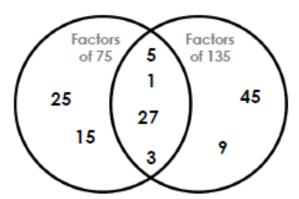


The number 14 is the largest common factor of 84 and 140.

Is Scott correct? Prove it.



9b. Priya has sorted some factors into a Venn diagram.



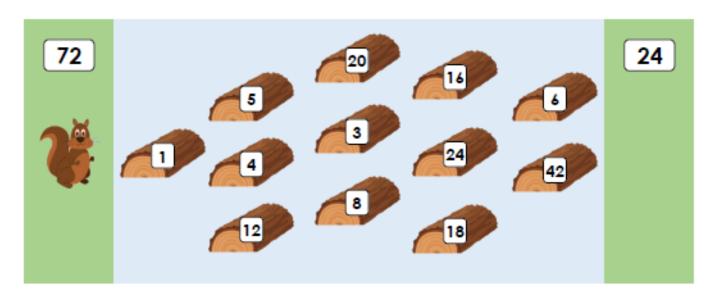
Explain the mistakes that she has made.

## Challenge

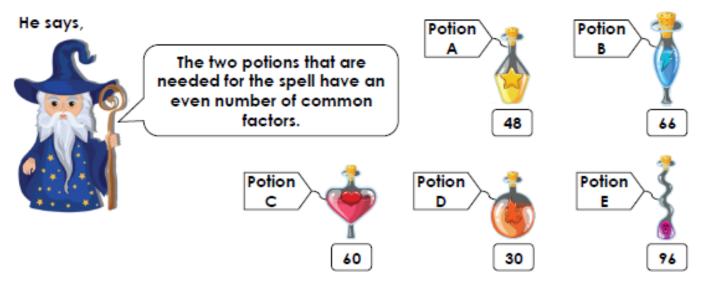
1. Squeak the Squirrel wants to cross the river.

He can only step on the logs which are common factors of the numbers on both banks.

Explore the route Squeak could take. Is there more than one possible route?



Wilf the Wizard is trying to combine two potions in order to create a spell.



When matching the two potions, the common factors they share cannot be lower than 5 factors otherwise they will explode!

Explore the different combinations of potions Wilf could use to create his spell.