

Common Factors

1a. Circle the pair of numbers that share the most number of common factors by systematically checking each times table.

6 and 20

8 and 14

10 and 15

20 and 30

9 and 12



PS

Common Factors

1b. Circle the pair of numbers that share the most number of common factors by systematically checking each times table.

15 and 20

5 and 12

8 and 10

12 and 14

10 and 20

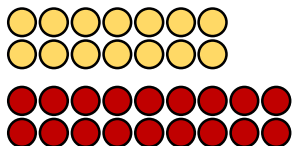


PS

2a. Carly says,



The number 1 is the largest common factor of 14 and 18.



Is Carly correct? Prove it.

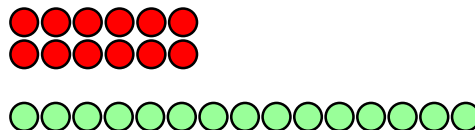


R

2b. Dean says,



The number 5 is the largest common factor of 12 and 15.

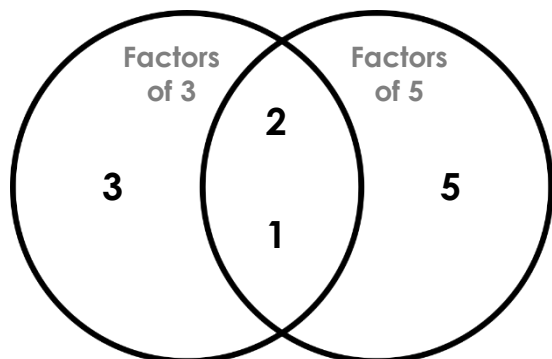


Is Dean correct? Prove it.



R

3a. Igor has sorted some factors into a Venn diagram by systematically checking each times table.

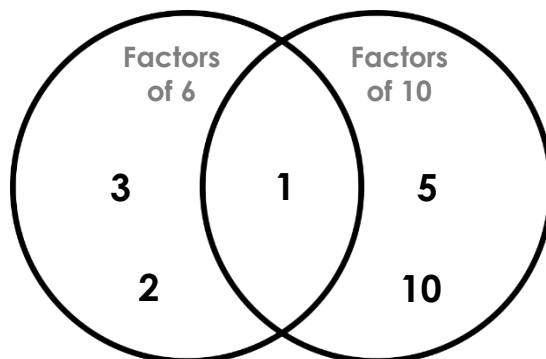


Explain the mistake that he has made.



R

3b. Maisie has sorted some factors into a Venn diagram by systematically checking each times table.



Explain the mistake that she has made.



R

Common Factors

4a. Circle the pair of numbers that share the most number of common factors by systematically checking each times table.

9 and 30

12 and 18

10 and 25

23 and 31

14 and 21



PS

Common Factors

4b. Circle the pair of numbers that share the most number of common factors by systematically checking each times table.

16 and 24

18 and 27

9 and 21

28 and 49

25 and 55



PS

5a. Ella says,



The number 4 is the largest common factor of 16 and 24.

Is Ella correct? Prove it by working systematically through the times tables.



R

5b. Benji says,



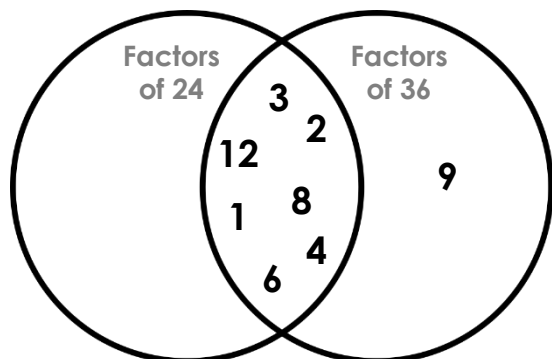
The number 3 is the largest common factor of 54 and 63.

Is Benji correct? Prove it by working systematically through the times tables.



R

6a. Ashton has sorted some factors into a Venn diagram by systematically checking each times table.

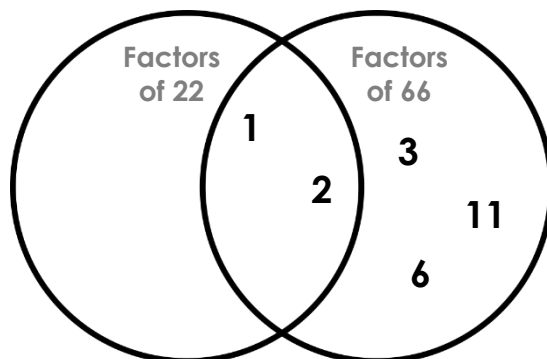


Explain the mistake that he has made.



R

6b. Daisy has sorted some factors into a Venn diagram by systematically checking each times table.



Explain the mistake that she has made.



R

Common Factors

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

22 and 33

50 and 60

32 and 56

78 and 38

72 and 99



PS

Common Factors

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

8a. Jess says,



The number 7 is the largest common factor of 24 and 84.

Is Jess correct? Prove it.



R

8b. Scott says,



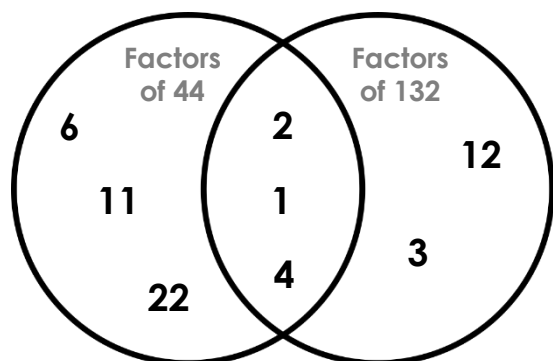
The number 14 is the largest common factor of 84 and 140.

Is Scott correct? Prove it.



R

9a. Jordan has sorted some factors into a Venn diagram.

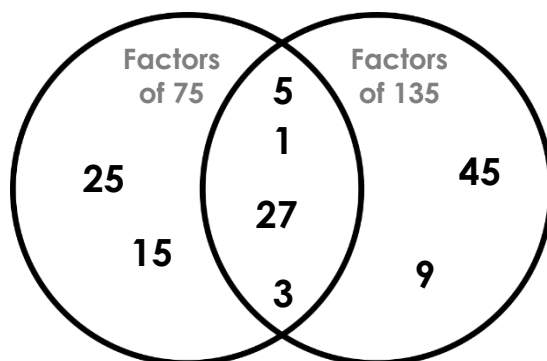


Explain the mistakes that he has made.



R

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



Explain the mistakes that she has made.



R