

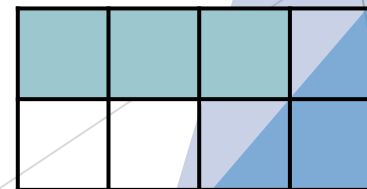
RECALL



- 1) List the factors of 15
- 2) How much warmer was it on Tuesday than Friday?

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Temperature	12°C	19°C	11°C	15°C	13°C

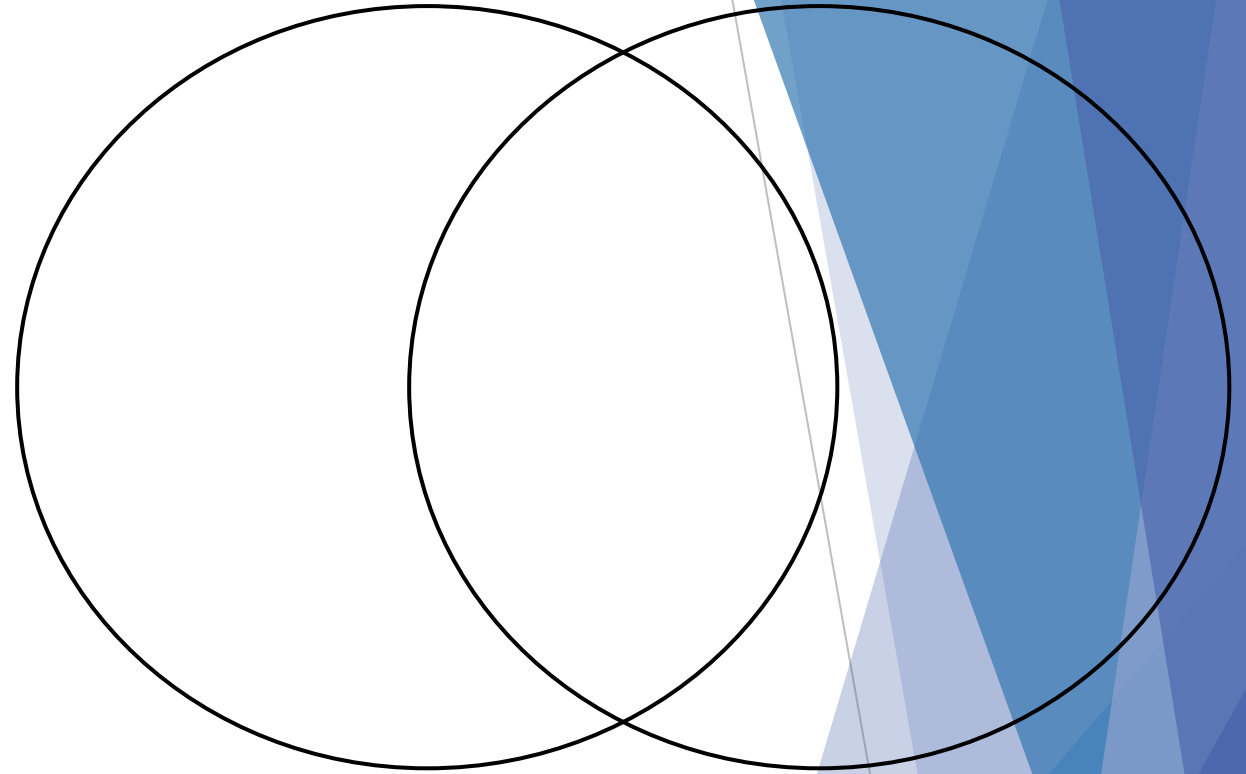
- 3) Calculate $3,985 - 1,629$
- 4) What fraction of the rectangle is shaded?



Guided practice - My turn



- ▶ What are the common factors between 20 and 24?
- ▶ What are the common factors between 21 and 30?



help

- ▶ List all the factors of each number and circle the common ones



- ▶ What are the common factors between 15 and 45

Guided practice - your turn



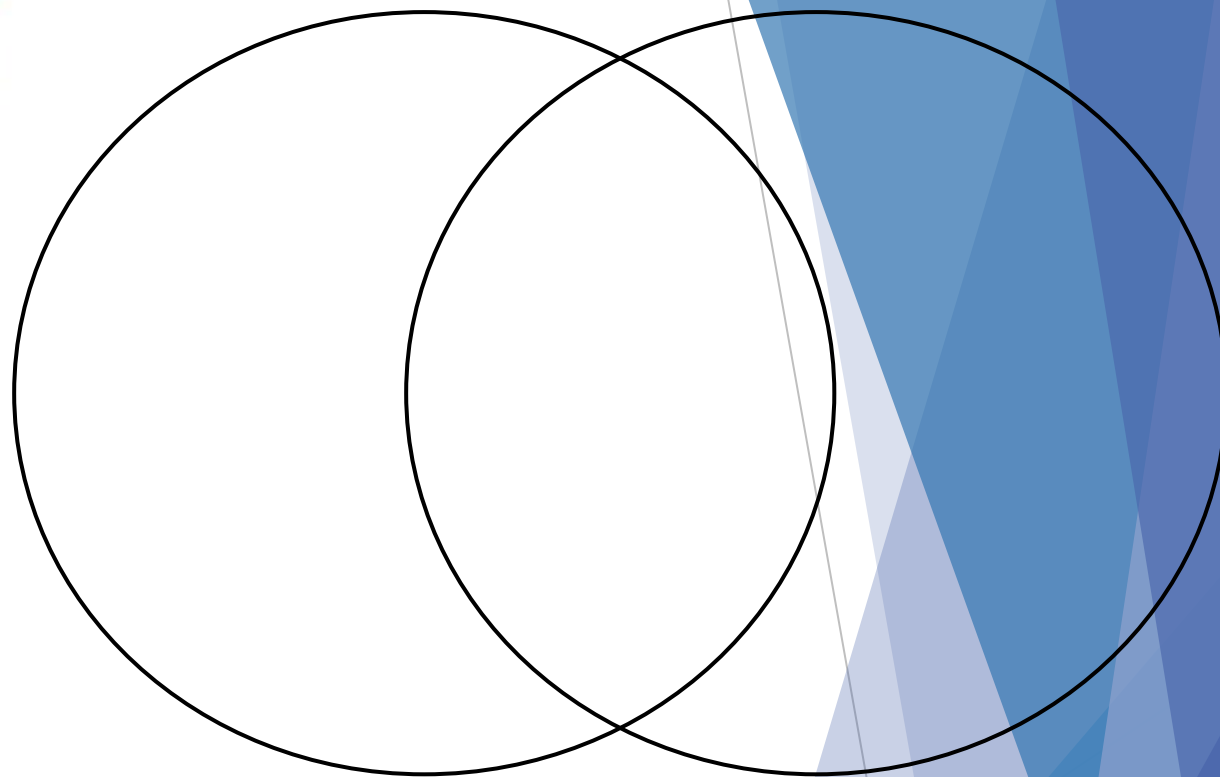
- ▶ What are the common factors between 12 and 18?
- ▶ What are the common factors between 16 and 26?

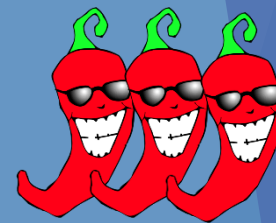
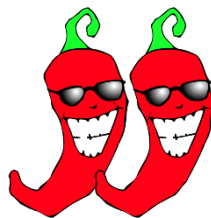
help

- ▶ List all the factors of each number and circle the common ones



- ▶ What are the common factors between 25 and 35





Chilli 1	Chilli 2	Chilli 3
List the factors of: 1) 12 2) 22 3) 32 4) 42	Use a Venn diagram to find the common factors of: 1) 15 and 25 2) 16 and 26 3) 17 and 27	Find the common factors of: 1) 25 and 50 2) 35 and 50 3) 45 and 50

1)



DIVE DEEPER 1

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

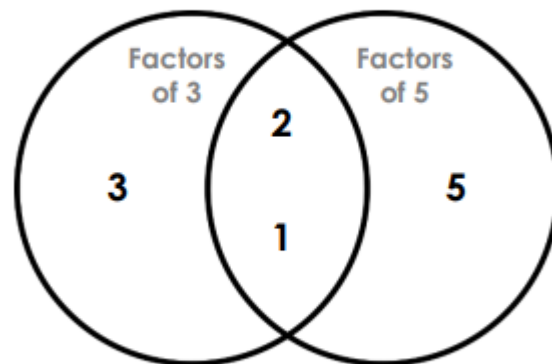
9 and 12



PS

2)

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



Explain the mistake that he has made.



3)

Kim is thinking of two 2-digit numbers.



Both numbers have a digit sum of 6
Their common factors are 1, 2, 3, 4, 6 and 12

What are Kim's numbers?

4)

I am thinking of two 2-digit numbers.

Both of the numbers have a digit total of six.

Their common factors are:

1, 2, 3, 4, 6, and 12

What are the numbers?

5)

Tiny is thinking of two numbers.

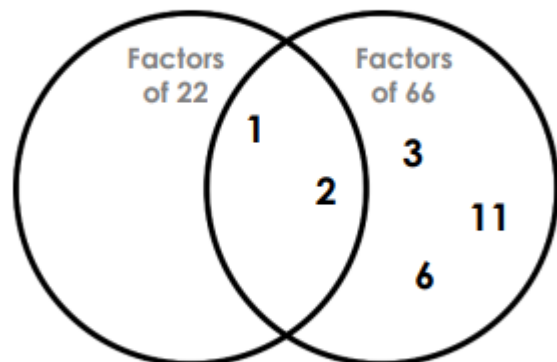


The common factors of my numbers are 1, 3, 7 and 21

What could Tiny's numbers be?

1)

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



Explain the mistake that she has made.



R

2)

DIVE DEEPER 2



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.

3)

8a. Jess says,



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

Is Jess correct? Prove it.

4)

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