

Miss Robinson's
Maths Group
Homework
Autumn Week 1

Remember to set your work out clearly and write in pencil.

Please try all questions.

Please DO NOT print any of this homework. Write answers directly into your Homework Book and include any working out.

Arithmetic Warm Up

In your Homework Book list:

- The prime numbers between 1 and 50
- The square numbers from 1^2 to 15^2

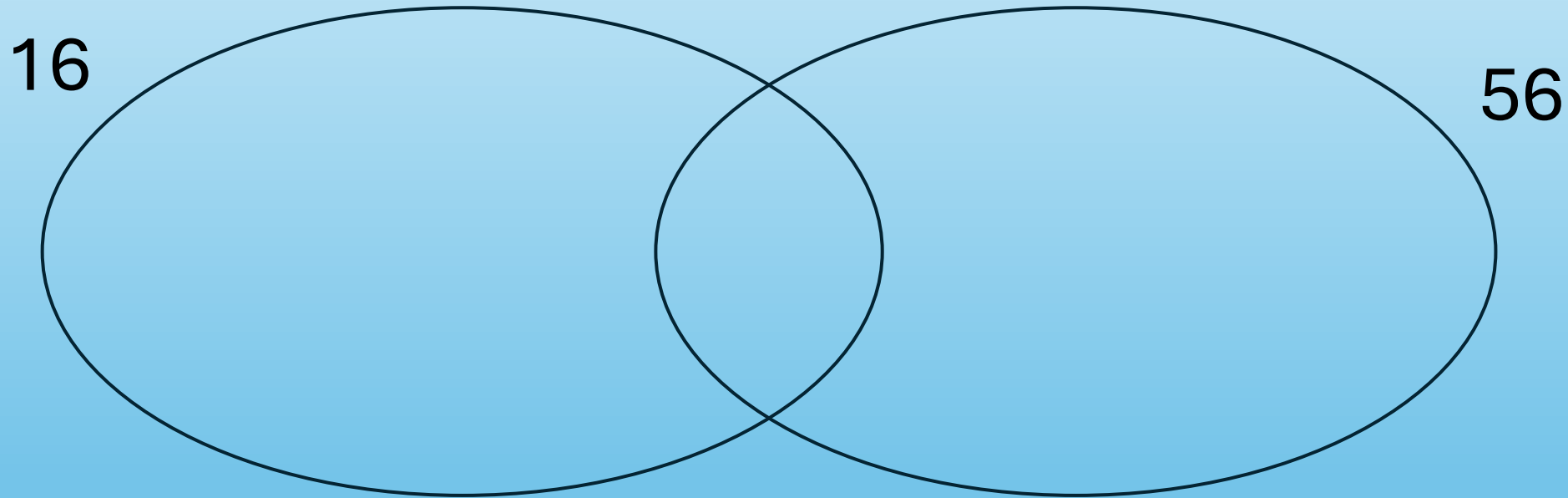
(Remember that a square number is a number multiplied by itself.

Example: $4^2 = 4 \times 4 = 16$ $7^2 = 7 \times 7 = 49$)

Please learn square numbers thoroughly as we will be having a quick test on them next week!

Find the common factors of the following numbers and put them into the Venn diagram.

16 and 56



This week we have started our unit of work on fractions.

LI: to be able to find equivalents of fractions

$$\frac{2}{3} = \frac{\quad}{9}$$

$$\frac{4}{7} = \frac{\quad}{56}$$

$$\frac{2}{5} = \frac{6}{\quad}$$

$$\frac{1}{9} = \frac{4}{\quad}$$

$$\frac{1}{5} = \frac{\quad}{25}$$

$$\frac{3}{8} = \frac{12}{\quad}$$

$$\frac{5}{6} = \frac{\quad}{36}$$

$$\frac{6}{10} = \frac{24}{\quad}$$

Remember the rule: whatever you do to the numerator, you must do to the denominator.

LI: to be able to find equivalents of fractions

Match the following equivalent fractions. Write the matching pairs in your Homework Book.

$$\frac{1}{4}$$

$$\frac{12}{18}$$

$$\frac{2}{3}$$

$$\frac{12}{15}$$

$$\frac{4}{5}$$

$$\frac{4}{8}$$

$$\frac{1}{2}$$

$$\frac{5}{20}$$

And finally

LI: to be able to *simplify* fractions into their *lowest terms*.

Sort the fractions into the table.

Simplifies to $\frac{1}{2}$	Simplifies to $\frac{1}{3}$	Simplifies to $\frac{1}{4}$

$\frac{5}{15}$	$\frac{2}{4}$	$\frac{4}{16}$	$\frac{8}{16}$	$\frac{5}{10}$	$\frac{3}{9}$	$\frac{6}{12}$	$\frac{2}{8}$
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Next week we will look at:

- Converting improper fractions to mixed numbers (continued)
- Converting mixed numbers to improper fractions
- Ordering fractions (we have looked at this a little)

..... And we will start to look at adding and subtracting fractions.

Remember to bring any questions about the work into Monday's lesson.

Have a wonderful weekend!