

Tuesday 12th May

Today year 5 and 6, Ms. P has prepared a MEDUSA MATHS lesson.

First of all read and digest the revision notes about the focus of the Maths lesson below:

Remember generally: **factors are smaller** than the question number and **multiples are bigger**. A number that divides exactly **into** the question number is a factor. A multiple is a number that the

question number divides into exactly.

You can find factor pairs by multiplying e.g (3,6) are factors of 18

A **prime number** only has **1 and itself** as factors such as 17

Common factors are numbers that divide exactly into two or more question numbers e.g **common factors of 10 and 20** are **2** and **5** and **10**

Common multiples can be found by multiplying and doubling up e.g **common multiples of 6 and 3** are **18** and **36** and **72**

cubed numbers mean multiply by self and self again e.g

$$5^3 = 5 \times 5 \times 5 \quad (5 \text{ to the power of } 3) = 125$$

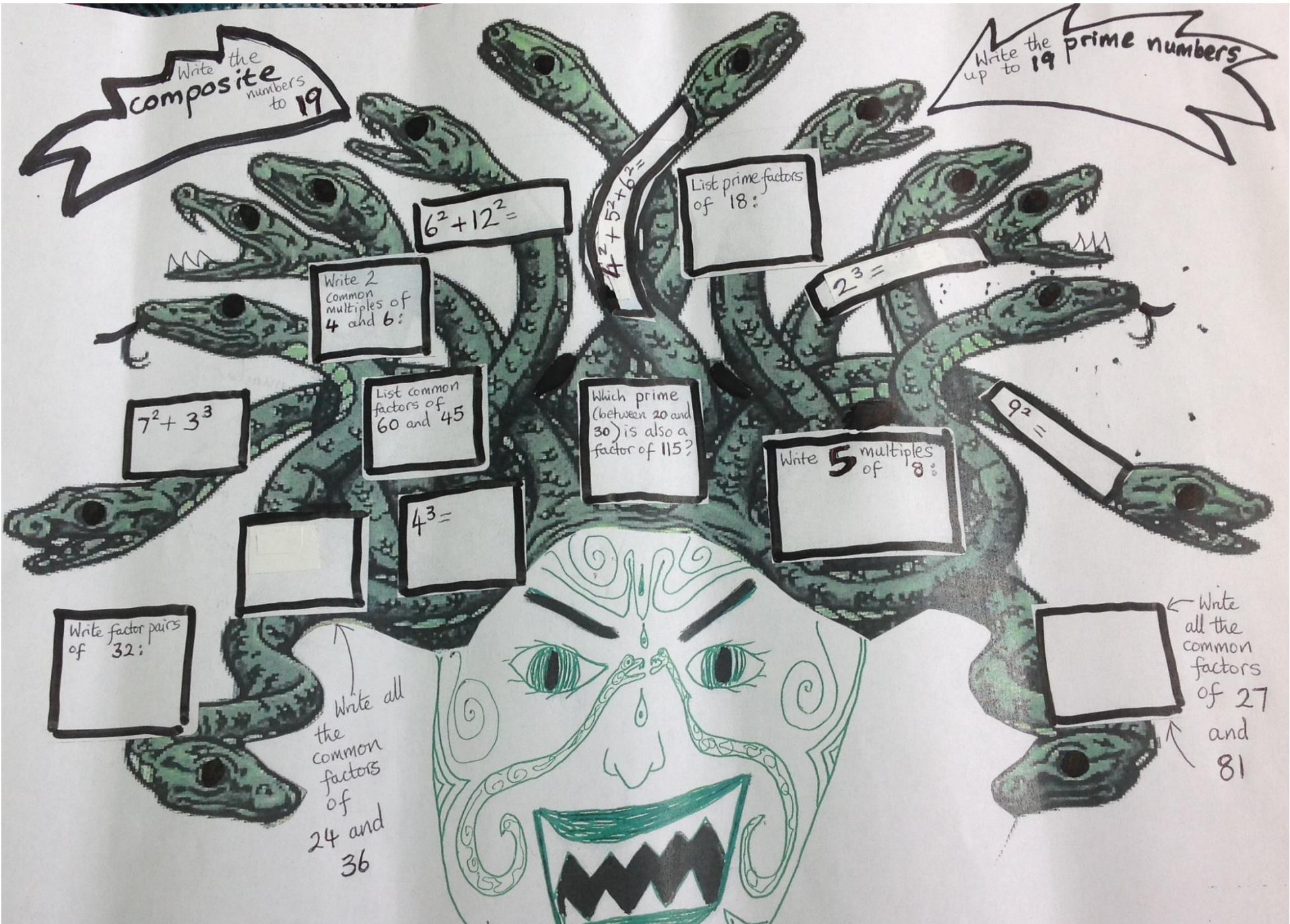
squared numbers means to multiply by self e.g:

$$8^2 = 8 \times 8 \quad (8 \text{ to the power of } 2) = 64$$

Now you need to know more about Medusa! Watch/listen to the video for part 2.



pause to watch/listen to Medusa Maths story file



Write the composite numbers to 19

Write the prime numbers up to 19

$$6^2 + 12^2 =$$

List prime factors of 18:

$$4^2 + 5^2 + 6^2 =$$

Write 2 common multiples of 4 and 6:

$$2^3 =$$

$$7^2 + 3^3$$

List common factors of 60 and 45

Which prime (between 20 and 30) is also a factor of 115?

Write 5 multiples of 8:

$$9^2 =$$

$$4^3 =$$

Write factor pairs of 32:

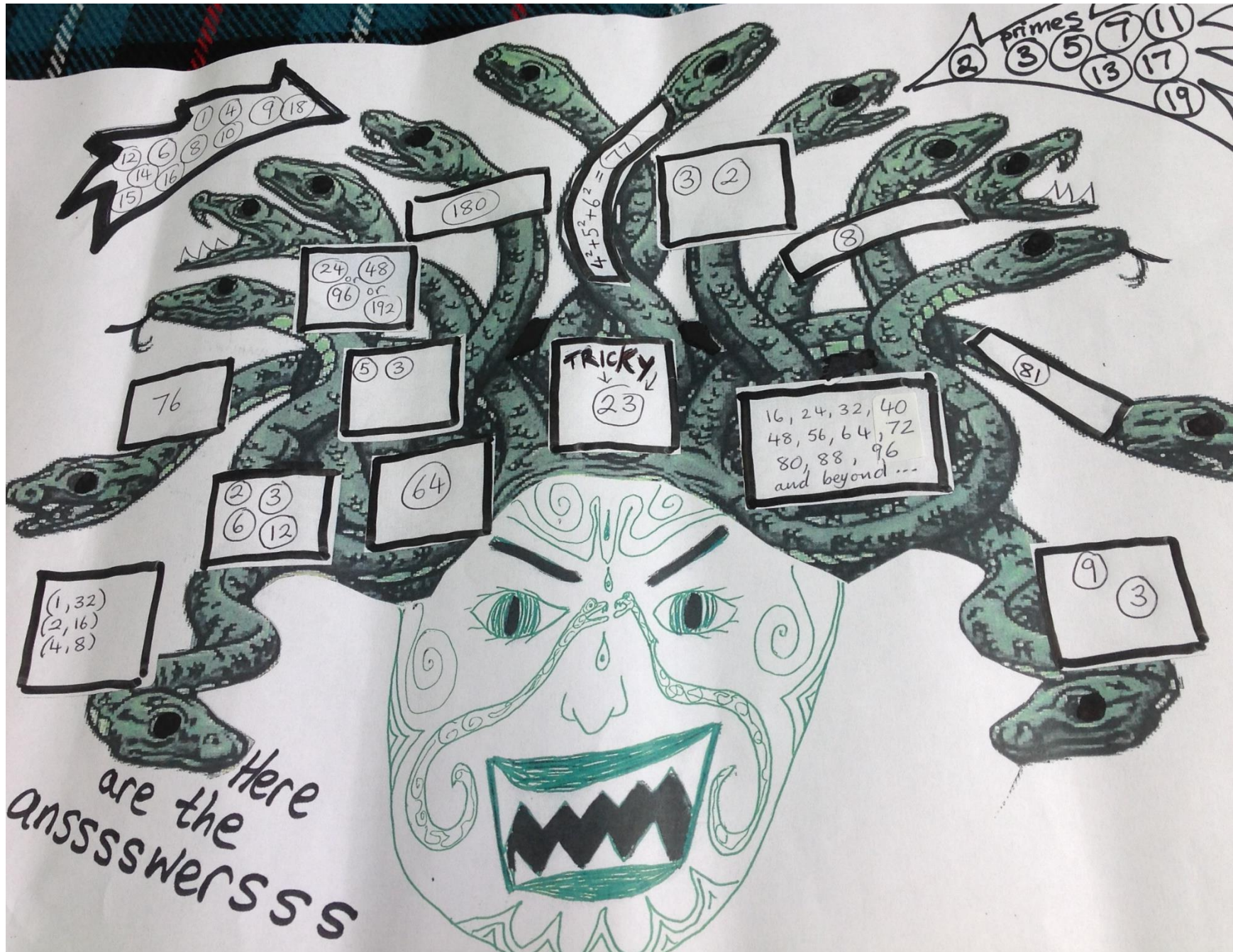
Write all the common factors of 24 and 36

Write all the common factors of 27 and 81

Don't peep but scroll down for answers...

Scroll down...

Scroll..



primes
2 3 5 7 11
13 17 19

1 4 9 16
25 36 49 64
81 100 121 144
169 196 225

$$4^2 + 5^2 + 6^2 = 77$$

(3) (2)

180

(8)

(24) (48)
(96) or (192)

(5) (3)

TRICKY
↓
(23)

16, 24, 32, 40
48, 56, 64, 72
80, 88, 96
and beyond ...

(81)

76

(2) (3)
(6) (12)

(64)

(1, 32)
(2, 16)
(4, 8)

(9) (3)

Here are the ansssswerssss