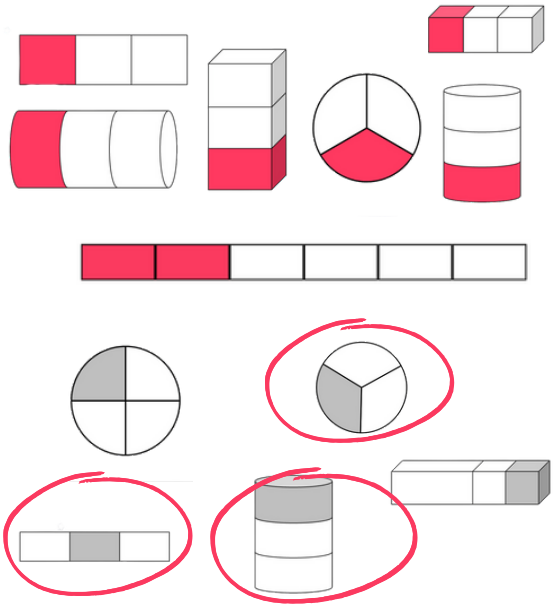
Answer Sheet

Three cubes

Combinations = 6
red, green, blue
red, blue, green
green, red, blue
green, blue, red
blue, red, green
blue, green, red

There are two combinations where red is in the middle. They are blue, red, green and green, red,blue.

Colour $\frac{1}{3}$



Finding $\frac{1}{3}$

A third of 3 is 1.
$\frac{1}{3}$ of 3 = 1

A third of 6 is 2.
$\frac{1}{3}$ of 6 = 2

A third of 12 is 4.
$\frac{1}{3}$ of 12 = 4

A third of 9 is 3.
$\frac{1}{3}$ of 9 = 3

$\frac{1}{3}$ of 9 = 3

$\frac{1}{3}$ of 21 = 7

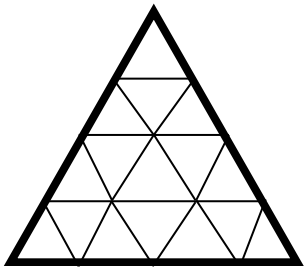
A third of 18 is 6.

A third of 30 is 10.

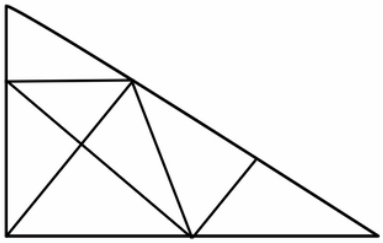
$\frac{1}{3}$ of 15 = 5

$\frac{1}{3}$ of 36 = 12

How Many Triangles?



27



15

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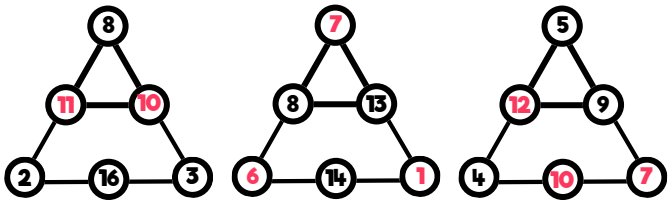
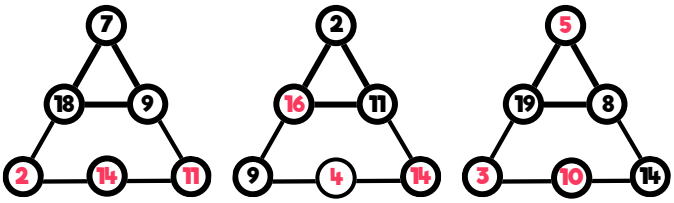
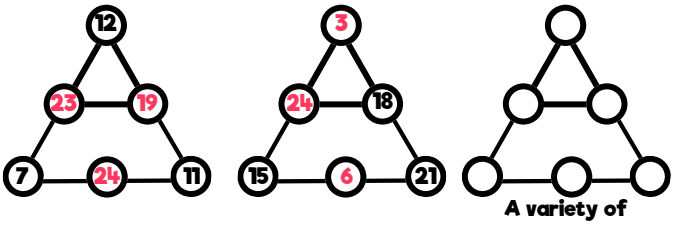
Answer Sheet

Triangle Additions







A variety of combinations will work.

Three Digit Cards

Highest number that can be made using the digit cards = 333

Sum of the digit cards = 9

Digit cards multiplied together = 27

Chen puts another number card down and makes a new number.
What is the highest number he could possibly make? 9333
What is the lowest number he could possibly make? 1333

Tricycle Shop

8 tricycles = 24 wheels

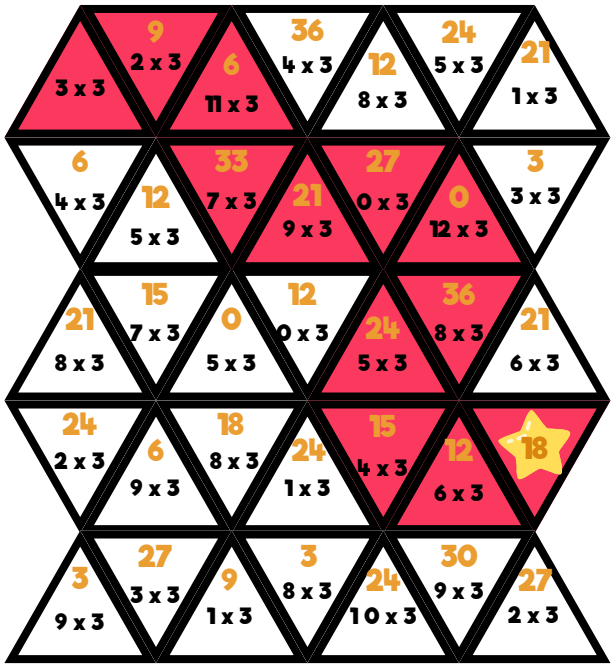
12 tricycles = 26 wheels

With 63 wheels, Ahmed can make 21 tricycles.

With 49 wheels, Ahmed can make 16 tricycles. There will be 1 spare wheel.

With 21 wheels, Ahmed can make 7 tricycles. Add this to the 8 he has already made and he can make 15 tricycles altogether.

Multiplication Maze



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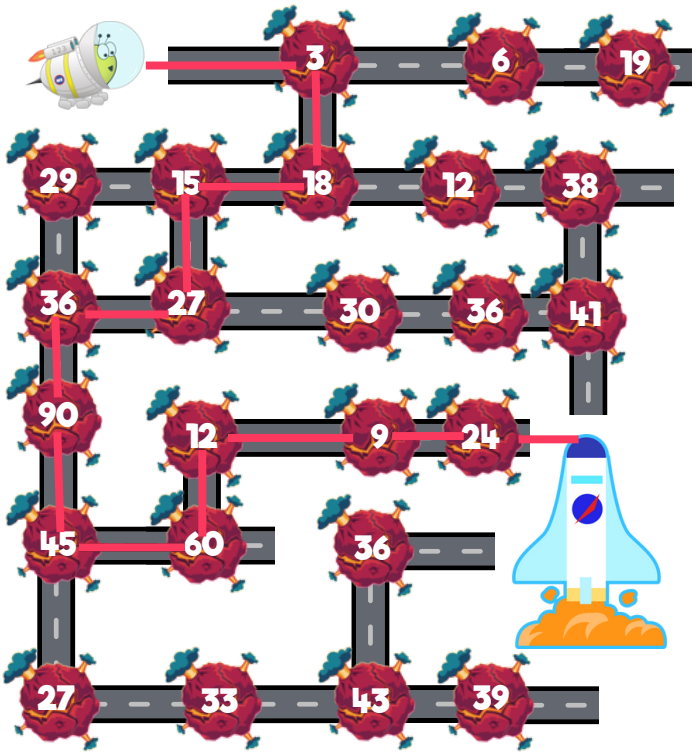
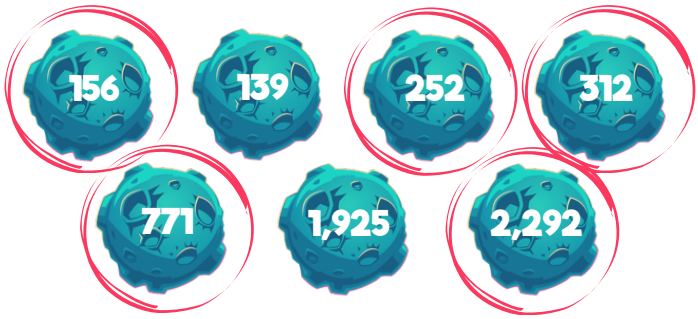
Answer Sheet

A-maze-ing Multiples



Divisibility Rules!



Numbers that are divisible by 3	Numbers that are not divisible by 3

There are lots of possibilities for this question.

Three Threes

A variety of combinations will work.
Here are our suggestions.

(3 - 3) x 3 = 0
(3! - 3) ÷ 3 = 1
(3 + 3) ÷ 3 = 2
3 + 3 - 3 = 3
3 + (3 ÷ 3) = 4
3! - (3 ÷ 3) = 5
3 x 3 - 3 = 6
3! + (3 ÷ 3) = 7
3! ÷ 3 + 3! = 8
3 + 3 + 3 = 9

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