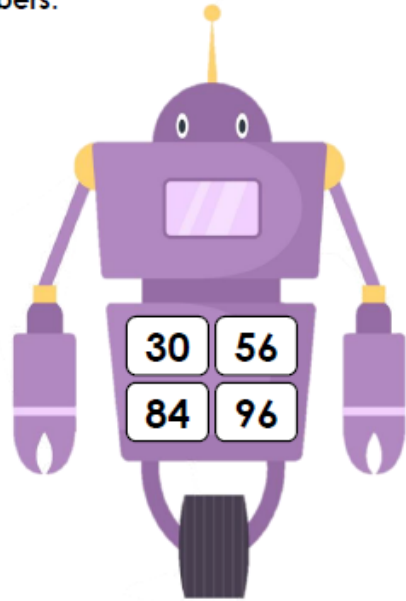
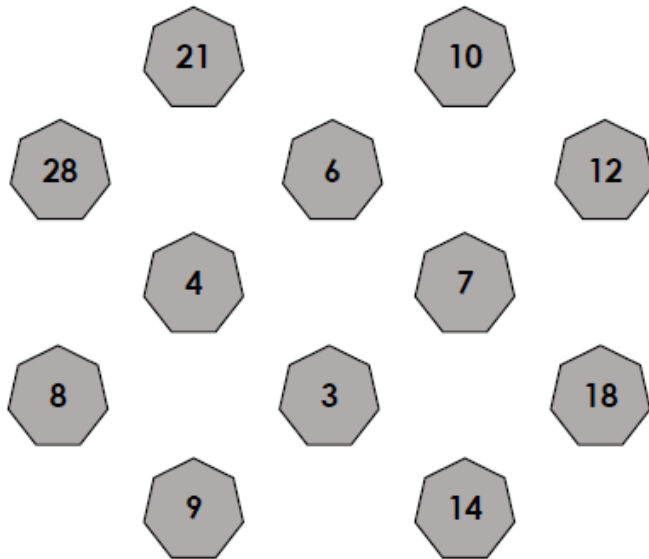


5F Hot Stuff Challenge

1. Z the robot is malfunctioning and needs to be repaired! You must use six screws and each screw must be a factor of at least two of his numbers.



Investigate the screws that could be used to fix Z and place them in ascending order.

ANSWERS

Factors

1. Z the robot is malfunctioning and needs to be repaired! You must use six screws and each screw must be a factor of at least two of his numbers.

The robot's chest screen displays the numbers 30, 56, 84, and 96. The screws available are: 21, 10, 28, 6, 12, 4, 7, 8, 3, 18, 9, and 14.

Investigate the screws that could be used to fix Z and place them in ascending order.
Various answers, for example: 3, 4, 6, 7, 12, 14.

DP

Children need to find the factors pairs first to help them.

Find number screws that are factors of at least 2 of his numbers.

Factors of 30: 1, 2, 3, 5, 6, 10, 15, 30

Factors of 56: 1, 2, 4, 7, 8, 14, 28, 56

Factors of 84: 1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42, 84

Factors of 96: 1, 2, 3, 4, 6, 8, 12, 16, 24, 32, 48, 96