Bronze

1a. Draw lines to match the factor pairs of 12.

2	12
1	6
3	4

VF

2a. True or false? All of these numbers are factors of 15.

3	1
10	5

VF

3a. Circle the number that is NOT a factor of 25.

3 1 5

VF

4a. Use the numbers 2, 3, 5 or 10 to complete the missing factors of 6.

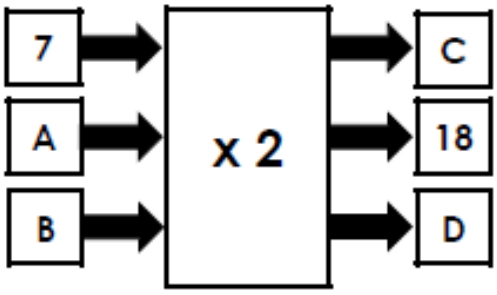
1 ☐ ☐ 6

1b. Find the missing factors to complete the square.

10		50
		6
20	15	

PS

2b. Three factors are put into the machine below. Use the clues to work out what the missing factors and products could be.



B is an even number, less than 10.
D is larger than C, but smaller than 18.

PS

3b. Class 5 have been finding factors.

Linda says,

The number 15 has 2 as a factor.

Is she correct? Prove it.

Silver

5a. Draw lines to match the factor pairs of 16. Which pair is the odd one out?

4	6
3	8
2	4

VF

6a. True or false? All of these numbers are factors of 22.

4	1	22
2	6	11

VF

7a. Circle the numbers that are NOT factors of 14.

7	1	4
6	14	
	2	

VF

8a. Complete the missing factors of 27.

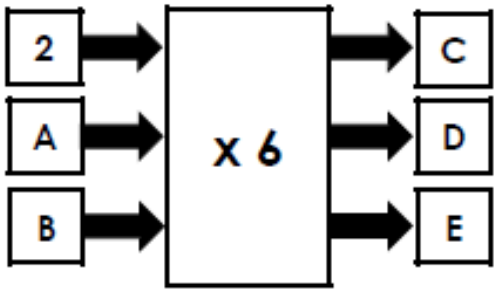
1			27

4b. Find the missing factors to complete the square.

		42
4		24
28	36	

PS

5b. Three factors are put into the machine below. Use the clues to work out what the missing factors and products could be.



D is double C.
B is an odd number.
E is bigger than D but smaller than 40.

PS

6b. Class 5 have been finding factors.

Tommy says,

The number 16 has got six different factors.

Is he correct? Prove it.

Gold

9a. Draw lines to match the factor pairs of 32. Which pair is the odd one out?

2	8
5	32
4	16
1	6

VF

10a. True or false? All of these numbers are factors of 40.

2	10	8	40
4	5	1	20

VF

11a. Circle the numbers that are NOT factors of 50.

10	2	50
4	5	
25	1	12

VF

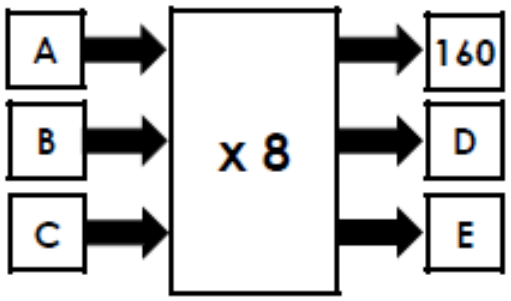
12a. Complete all of the factors of 36.

7b. Find the missing factors to complete the square.

		180
	11	44
36	220	

PS

8b. Three factors are put into the machine below. Use the clues to work out what the missing factors and products could be.



B is 6 less than A.
C is an odd number.
E is half of D.

PS

9b. Class 5 have been finding factors.

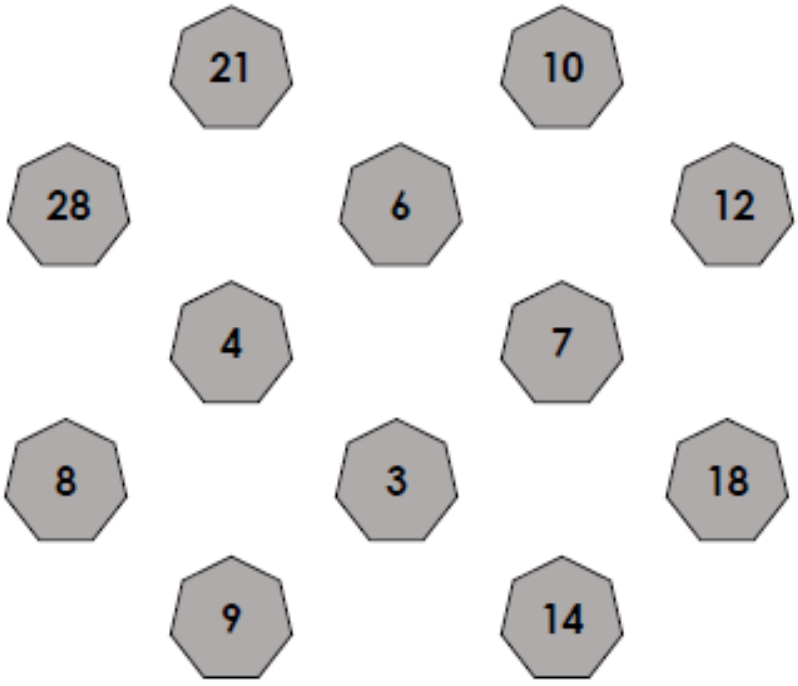
Ada says,

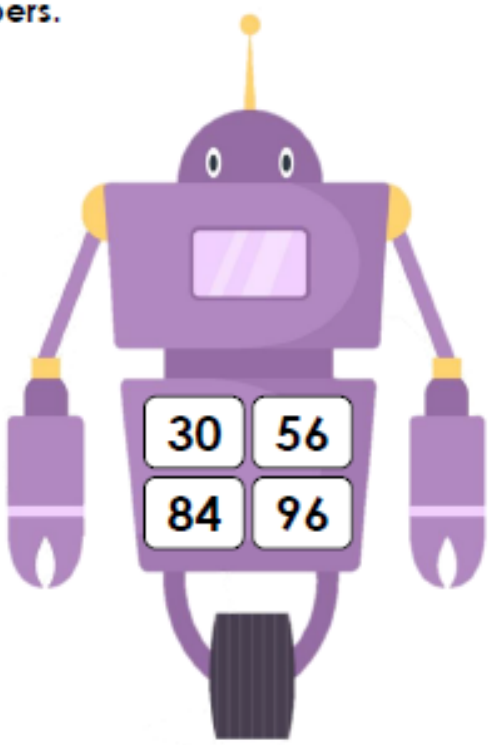
The number 66 has got four different factors.

Is she correct? Prove it.

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.

2. With a partner, play the game below.

1. Lay the number cards face down and mix them around.
2. Use the spinner provided to choose a target number.
3. Take it in turns to flip two cards over.
4. If the numbers are a factor pair of the target number then the player keeps them.
5. The winner is the player with the most factor pairs

8	6	1	12	2	6	24
4	16	5	18	9	3	72	36

When you have found all of the factor pairs, spin the spinner and play again!