

# FACTORS OF NUMBERS

Maths - Beginner (KS-1/2)

**Learning outcomes:** To be able to identify the factors of numbers.

## Activity 1 Instructions - Finding factors of numbers up to 20



- Print and provide each pupil with the “factors up to 20” sheet (page 2).
- Challenge each pupil to find different ways to make the number using multiplication.
- Ask the pupils to find the factors of each number.

### Materials required:

- “Factors up to 20” sheet (page 2).

## Activity 2 Instructions - Identifying the factors of a given number



- Print out and give each pupil a “factors challenge” sheet (page 3).
- Challenge each pupil to colour in the numbers that are factors of the centre number (in red).
- Encourage the pupils to explain or show why they have chosen these numbers as factors of the given number.

### Materials required:

- “Factors challenge” sheet (page 3).

### Challenge!

Ask the pupils to find the factors of all odd numbers up to 20.



Created by the FlashAcademy® Education Team

**Do you have an EAL resource idea?** If so, we'd love to hear from you. Send your resources/ideas/sketches to [team@flashacademy.com](mailto:team@flashacademy.com) and if selected, we'll design it up for you and share it with the EAL community.

More resources like this available on the FlashAcademy Dashboard at [edu.flashacademy.com](https://edu.flashacademy.com).



# FACTORS UP TO 20 SHEET

Maths

Number	Ways of making the number	Factors of the number
2		
4	$1 \times 4$ $2 \times 2$	1,2,4
6		
8		
10		
12		
14		
16		
18		
20		

Created by the FlashAcademy® Education Team

**Do you have an EAL resource idea?** If so, we'd love to hear from you. Send your resources/ideas/sketches to [team@flashacademy.com](mailto:team@flashacademy.com) and if selected, we'll design it up for you and share it with the EAL community.

More resources like this available on the FlashAcademy Dashboard at [edu.flashacademy.com](https://edu.flashacademy.com).



# FACTORS CHALLENGE SHEET

Maths

9	2	1
3	27	6
7	14	27

1	3	7
5	21	21
17	20	2

7	5	1
23	23	9
10	12	15

2	26	1
7	26	9
13	12	5

Created by the FlashAcademy® Education Team

**Do you have an EAL resource idea?** If so, we'd love to hear from you. Send your resources/ideas/sketches to [team@flashacademy.com](mailto:team@flashacademy.com) and if selected, we'll design it up for you and share it with the EAL community.

More resources like this available on the FlashAcademy Dashboard at [edu.flashacademy.com](https://edu.flashacademy.com).



# FACTORS CHALLENGE SHEET

Maths

25	10	3
1	33	15
11	33	5

1	2	4
9	28	8
7	28	14

1	2	5
38	38	19
20	3	4

4	2	1
11	44	44
10	15	22

Created by the FlashAcademy® Education Team

**Do you have an EAL resource idea?** If so, we'd love to hear from you. Send your resources/ideas/sketches to [team@flashacademy.com](mailto:team@flashacademy.com) and if selected, we'll design it up for you and share it with the EAL community.

More resources like this available on the FlashAcademy Dashboard at [edu.flashacademy.com](https://edu.flashacademy.com).