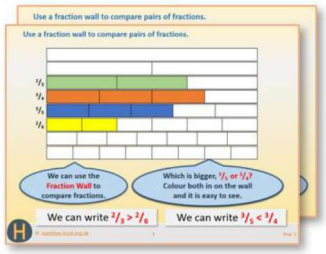
Week 12, Day 1

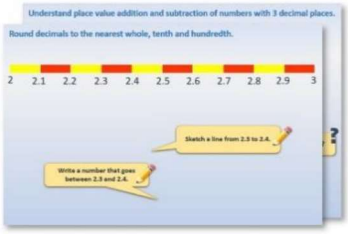
Find common multiples and common factors.

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. If possible, watch the **PowerPoint presentation** with a teacher or another grown-up.

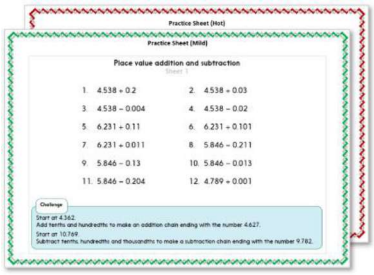


OR start by carefully reading through the **Learning Reminders**.



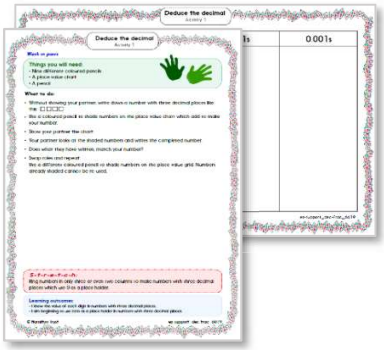
---

2. Tackle the questions on the **Practice Sheet**.
There might be a choice of either Mild (easier) or Hot (harder)!
Check the answers.



---

3. Finding it tricky? That's OK… have a go with a grown-up at **A Bit Stuck?**



---

4. Think you've cracked it? Whizzed through the Practice Sheets?
Have a go at the **Investigation**…

Learning Reminders

Find common multiples and common factors.

Let's revise **multiples** and **factors.**

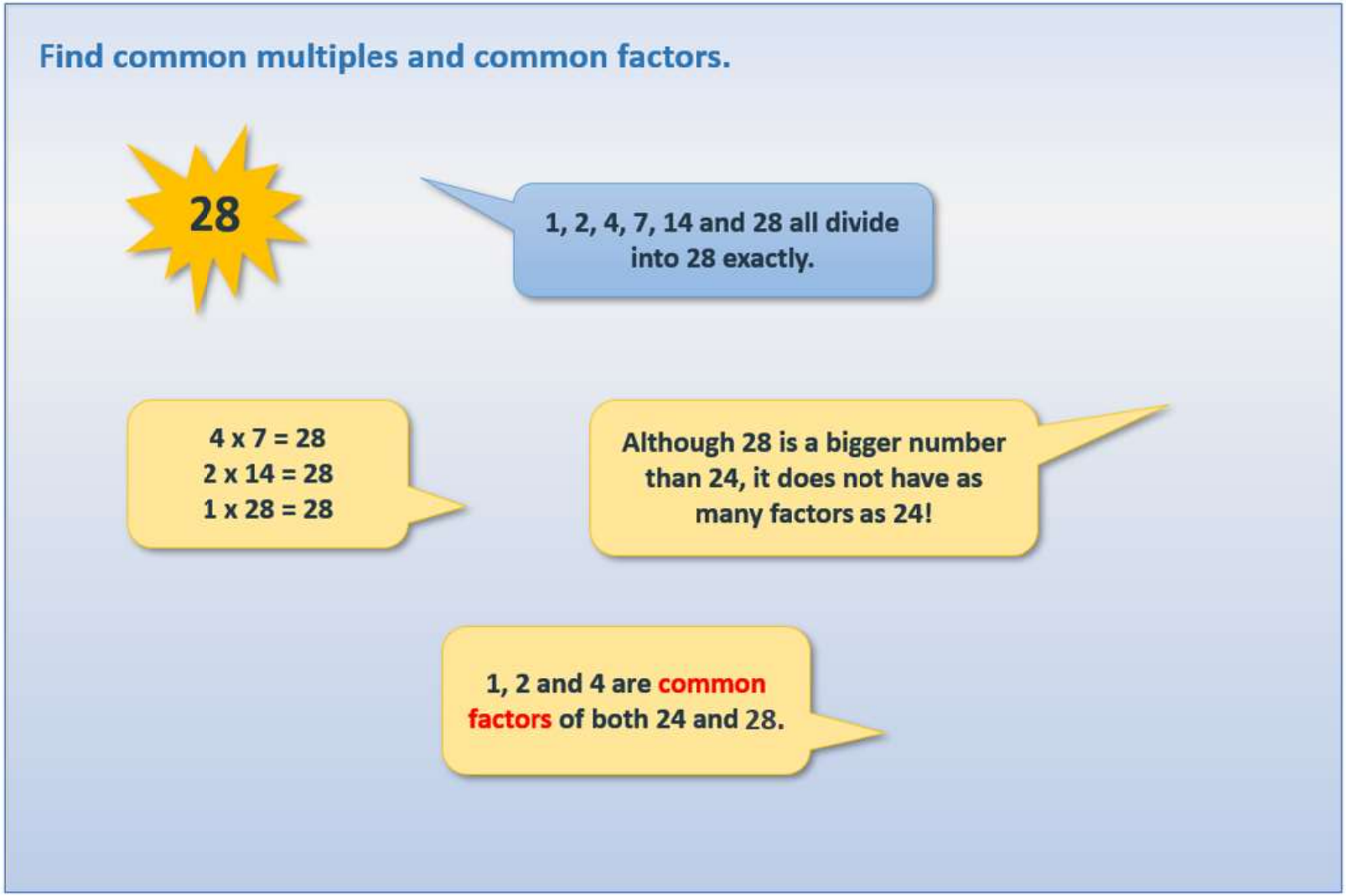
What numbers divide into 24 exactly?
Write as many as you can.

24 is a **multiple** of 1, 2, 3, 4, 6, 8, 12 and 24.
These numbers are called its **factors.**
We can put them in pairs.

4 x 6 = 24
3 x 8 = 24
2 x 12 = 24
1 x 24 = 24

Remember to include 1 and the number itself!

Learning Reminders



Learning Reminders

Find common multiples and common factors.

Write as many factors as you can for each of these numbers.

12: 1, 2, 3, 4, 6 and 12.

20: 1, 2, 4, 5, 10 and 20.

13: 1 and 13. 13 is a prime number as it only has 2 factors: itself and 1.

Practice Sheet Mild

Common multiples and factors

Write a common multiple of each pair of numbers

1. 2 and 5
2. 3 and 4
3. 5 and 6
4. 5 and 10
5. 6 and 9
6. 5 and 12

Write a list of factors each pair of numbers have in common

1. 12 and 15
2. 15 and 30
3. 20 and 30
4. 16 and 24
5. 15 and 21
6. 18 and 24

Practice Sheet Hot

Common multiples and factors

Write a common multiple of each pair of numbers

1. 2 and 5
2. 3 and 4
3. 5 and 6
4. 5 and 10
5. 6 and 9
6. 5 and 12
7. 6 and 8
8. 7 and 8
9. 3 and 5
10. 8 and 12

Write a list of factors each pair of numbers have in common

1. 12 and 15
2. 15 and 30
3. 20 and 30
4. 16 and 24
5. 15 and 21
6. 18 and 24
7. 42 and 56
8. 24 and 30
9. 32 and 48
10. 24 and 36

Challenge

Use dice or place value cards to create two 2-digit numbers. List any factors that these numbers have in common (other than 1).

Place Value Cards (sheet 1)

10	60	1
20	70	2
30	80	3
40	90	4
50		5

Place Value Cards (sheet 2)