

1

The Cookie Monster found **11 cookies!** He wants to hide them by putting **5** in each secret jar. How many cookies are **left over** for him to eat right now?



Answer:

2

You picked **51 magical oranges** from a giant tree! Your backpack can only hold **7 oranges** at a time. **How many trips** do you need to make to carry all the oranges home?



Answer:

3

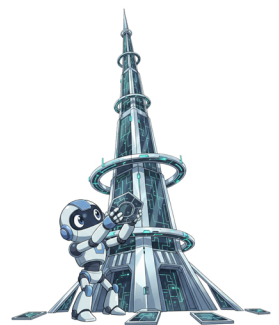
A sleepy bear went to bed at **1 o'clock**. He slept for exactly **25 hours**. What time did the clock show when he finally woke up?



Answer:

4

A robot starts building a huge tower at **4 o'clock**. The robot works non-stop for **110 hours**. Where will the hour hand be when the robot finishes the tower?



Answer:

5

You have **13** animal **stickers**. Your album fits **5 stickers per page**. You fill as many full pages as possible and give the **leftover** stickers to your best friend. How many stickers does your friend get?

Answer:

6

You are cleaning your messy desk and found **19 pencils**! Each box holds **4 pencils**. **How many boxes** can you fill **completely** to make your desk tidy?

Answer:

7

Crack the secret code! The lock pattern is: ■ □ ▲ ● (then repeats). To open the treasure chest, you must press the **21st** shape. Which shape is it? Be careful, it may never open again if you press a wrong button!

Answer:

8

(Optional) A hungry hippo wants a snack. You have **28 grapes** and you give him **6 grapes** at a time. How many grapes are **left over** after his last full bite?

Answer:

9

(Optional) The robot repeats these three moves: **Clap, Stomp, Jump**. If the robot keeps repeating this pattern, what move will it do on the **29th** beat?

Answer:

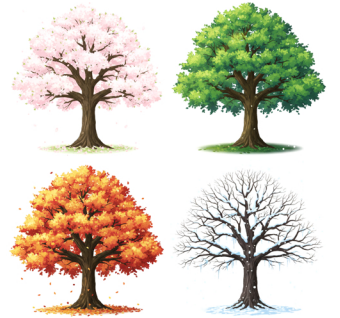
10

10 kids sit in a circle (**Kid 1** to **Kid 10**). They pass a ball around the circle counting "1, 2, 3...". Which kid will catch the ball on count **127**?

Answer:

11

A time traveler jumps into the future! It is **Winter now**. He skips ahead exactly **400 seasons**. When he steps out of his time machine, what season is it?

Answer:

12

A giant starts a **50-month nap** in **February**. In what month does his alarm clock finally go off?

Answer:

- 13 A wizard casts a sleeping spell on a dragon at **7 o'clock**. The spell lasts for **203 hours**. What time will the clock show when the dragon wakes up?



Answer:

- 14 **(Optional)** Your spaceship launches to the Moon at **3:40**. The flight takes exactly **605 minutes**. What time will the clock show when you land on the Moon?



Answer:

- 15 You are stranded on a desert island! You arrived on a **Saturday**. You just marked **103 full days** on a tree when a ship came to rescue you. What **day of the week** was your rescue day?



Answer:

- 16 It's Friday Cafe! You baked **86** delicious **cupcakes**. Each tray fits **6 cupcakes**. How **many trays** do you need so that no cupcake is left on the table?



Answer:

17

You start a **62-page** comic on **Monday**. You read **5 pages** each day. What day of the week do you finish?
(Hint: first find how many days of reading, then find the weekday.)



Answer:

18

Ultimate TV Marathon! You watched your favorite show for **19 days**, watching **6 episodes** every single day. On the last day, you watched what was left (maybe less than 6). If every season has exactly **10 episodes**, how many seasons were there?



Answer:

19

You have **300 maths challenges**. Each page fits **18 challenges**. You are making a small folded booklet: 1 sheet of paper becomes 4 pages (print both sides, then fold). So the total pages printer prints is 4, 8, 12, 16, 20, ... How many pages will printer print for you?



Answer:

20

There are **between 20 and 40** kids.
If the teacher makes groups of **4**, there are **3** kids left.
If the teacher makes groups of **5**, there are **4** kids left.
How many kids are there?



Answer:

Please use the **20x20 multiplication** table (provided in a separate file) when working on these problems.

Remainders – Answers:

1. **1**
2. **8**
3. **2**
4. **6**
5. **3**
6. **4**
7. **■**
8. **4**
9. **Stomp**
10. **Kid 7**
11. **Winter**
12. **April**
13. **6 o'clock**
14. **1:45**
15. **Thursday**
16. **15**
17. **Saturday**
18. **11**
19. **20**
20. **39**