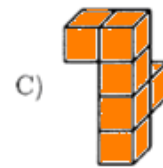
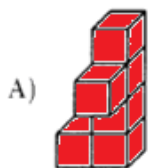
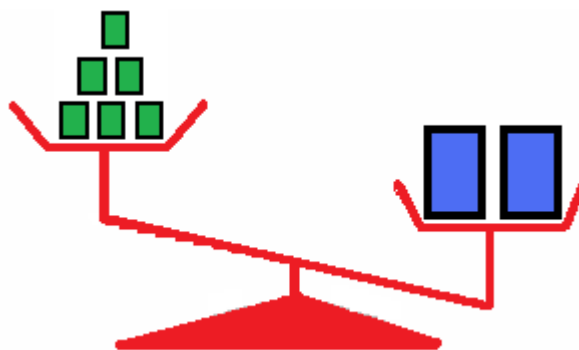


Bright Kids – Class Sample

1. A dog can jump 3 times as high as his height. My dog is 45 cm tall. How high can he jump?
2. Which figure has different shape than all others?

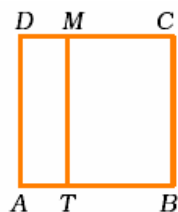


3. There are six identical weights X (green) on one scale and two identical weights Y (blue) on the other scale. After we put one weight Y on the scale with weights X, the scale will be balanced. How many weights X weigh as much as weights Y?



- A) 2 B) 3 C) 4 D) 5 E) 6

4. Quadrilateral $ABCD$ is a square and its side is 10 cm long. Quadrilateral $ATMD$ is a rectangle and its shorter side is 3 cm. What is the difference between the sum of the lengths of all the sides of the square and the sum of the lengths of all the sides of the rectangle?



- A) 14 cm B) 10 cm C) 7 cm D) 6 cm E) 4 cm

Bright Kids – Class Sample

5. A human heart beats an average of 70 times per minute. On average how many times does it beat during one hour?
- A) 42,000 B) 7,000 C) 4,200 D) 700 E) 420
6. The interior of a circle can be cut into a maximum of 2 regions by one straight line and into a maximum of 4 regions with 2 straight lines. What is the maximum number of regions into which the interior of a circle can be cut by 3 straight lines?
7. We add 17 to the smallest two-digit number and then we divide the sum by the largest one-digit number. What is the result?
- A) 3 B) 6 C) 9 D) 11 E) 27
8. The lowest point of S Cave in Tetry Mountains is located 221 m below the cave entrance and the highest point of S Cave is located 419 m above the cave entrance. What is the distance between the lowest and the highest points?
- A) 198 m B) 221 m C) 419 m D) 640 m E) 650 m
9. May 10th was on Tuesday. What date was also on Tuesday?
- A) May 16th B) May 20th C) May 22nd D) May 27th E) May 31st
10. There were 366 days in the year 2000. Mark slept 8 hours every day. How many weeks did he sleep in that year?
11. Houses on the street where John lives are numbered from 1 to 24. How many times does digit 2 appear in the numbering of those houses?
12. What is once in a minute, twice in a moment, but never in a second?
13. In the middle of a pool floats a water-lily. Every day, the water-lily doubles in size. After 20 days, the lily covers the entire pool. After how many days was the pool half covered?
14. Square of area 9 is cut out from a square of side 9. What is the area of the region remaining after the square is cut out?
15. Wooden cube measures 8 units on side. If you cut the cube into 8 identical smaller cubes how long is a side of one of the smaller cubes?

Bright Kids – Class Sample

16. What comes next in this letter sequence: ZOTTFFSSE?
17. The following number is formed by a special pattern and is the only one of its kind: 8549176320. What is the pattern?
18. Nancy loves cookies. She ate 100 cookies in five days. Each day she ate 6 more than the day before. How many cookies did she eat on the first day?

19. Find the product of the fractions below:

$$\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4} \times \frac{4}{5} \times \dots \times \frac{99}{100}$$

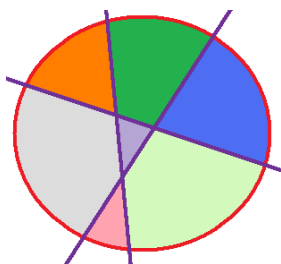
20. What number should come next in the sequence below?

26 74 13 87 11 89 42 58 37 63 12 ?

Bright Kids – Class Sample

Answer Key

1. 135.
2. E)
3. E) 6.
4. A) 14 cm.
5. C) 4,200.
6. 7.



7. A) 3.
8. D) 640 m.
9. E) May 31st.
10. Around 17 weeks.
11. 8 times.
12. The letter 'm' appears once in the word Minute, twice in the word MoMent, but never in the word second.
13. After 19 days.
14. 72.
15. 4.
16. N. (Stands for Nine. All letters are first letters of digits: Zero, One, Two, Three, ...)
17. They are put in alphabetical order. Write out the English words for all the numbers, in order: Eight, Five, Four, Nine, ..., Zero. Now look at all of the first letters.
18. 8 cookies ($8 + 14 + 20 + 26 + 32 = 100$).
19. $\frac{1}{100}$.
20. 88. Two consecutive numbers add up to a hundred.