Question #1

The reflection of an object in water forms an image that is known as water image. Select the water image of the figure below.

Question #2

The reflection of an object in water forms an image that is known as water image. Select the water image of the figure below.

Question #3

Which number replaces the question mark?
Question #4

Which letter replaces the question mark?

E  M  H
N  O  A
I  ?  D

Question #5

A man fell in a 30-meter-deep well, in one day he climbs 4 meters up and slips 3 meters down. How many days would it take for him to come out of the well?

Question #6

100 people are standing in a circle in an order 1 to 100. No.1 has a sword. He kills the next person (No. 2) and gives sword to the person next to next one (No.3). All persons do the same until only 1 person survives. Which numbered person survives at the end?

Question #7

What does this say?

OR NOTHING
OR NOTHING

Question #8

The name of what shape completes the bottom line?

- Triangle; Pentagon; Square
- Square; Hexagon; Hexagon; Square
- Pentagon; Hexagon; Hexagon; Hexagon; Square; Triangle
- Hexagon; Octagon; Octagon; Octagon; Octagon; ____________

Question #9

What number comes next in this sequence:

1/1, 3/2, 7/5, 17/12, 41/29, ?

Question #10

Given five zeroes (AND NO OTHER NUMBERS), using any mathematical operations, how can you make a total of 120?
**Question #11**

Using only **two** 2’s and any combination of mathematical signs and operations how can you make 5?

**Question #12 (use this group only for your answers)**

A. Which is the first question where C is the correct answer?
   - A. C  B. D  C. A  D. B

B. Which is the first question where A is the correct answer?
   - A. D  B. B  C. C  D. A

C. Which is the first question where D is the correct answer?
   - A. A  B. B  C. D  D. C

D. Which is the first question where B is the correct answer?
   - A. B  B. D  C. C  D. A

**Question #13**

How many valid solutions exist to the following quiz?:

A. The answer to Question B is:
   - A. C  B. D  C. B  D. A

B. The answer to Question C is:
   - A. B  B. A  C. C  D. D

C. The answer to Question D is:
   - A. D  B. C  C. A  D. B

D. The answer to Question A is:
   - A. A  B. B  C. D  D. C
**Question #14**
Moving up or to the right only, what is the highest total you can make, using the mathematical signs along the way?

```
+ 4 - 2 + 2
2 + 2 - 2 +
- 1 + 2 - 4
2 - 1 + 1 -
+ 1 - 2 + 3
3 + 3 - 4 +
```

**Question #15**
Can you circle exactly four of these numbers such that the sum of the four circled numbers is twelve?

```
1 6 1
6 1 6
1 6 1
6 1 6
```

**Question #16**
Find the sum of the 2\textsuperscript{nd} column.

```
@ & & $ 23
@ # # £ 18
@ & £ $ 24
# # £ & 15
```

24 ? 17 25
**Question #17**

A large fresh water reservoir has two types of drainage system: small pipes and large pipes. Six large pipes, on their own, can drain the reservoir in 12 hours. Three large pipes and 9 small pipes, at the same time, can drain the reservoir in 8 hours. How long will 5 small pipes, on their own, take to drain the reservoir?

**Question #18**

According to the American Constitution, in order to become President of the United States there are at least five pre-requisites. The candidate must:

1. Be at least 35 years old.
2. Be a citizen of the U. S.
3. Have resided in the U. S. for at least 14 years
4. Have been born in the U. S.

What is a possible fifth requirement?

**Question #19**

Of the 100 people at a recent party, 90 spoke Spanish, 80 spoke Italian, and 75 spoke Mandarin. At least how many spoke all three languages?

**Question #20**

How many golf balls can fit in a normal school bus (to the nearest hundred thousand)?