

# Digital Apprenticeship Program



## Aptitude Test

Q1.) Look at this series: 12,11,13,12,14,13,.. What number should come next?

A. 10 B. 16 C. 13 D. 15

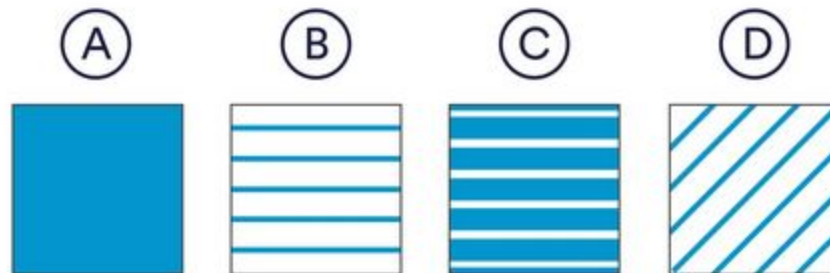
Q2.) What word does NOT belong with the others?

A. Index B. Book C. Glossary D. Chapter

Q3.) What is the missing pattern? SCD, TEF, UGH, ..., WKL

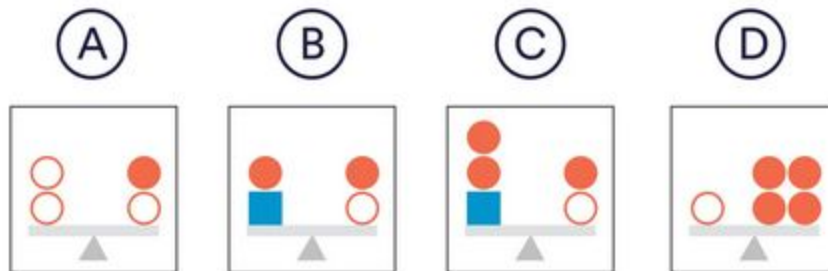
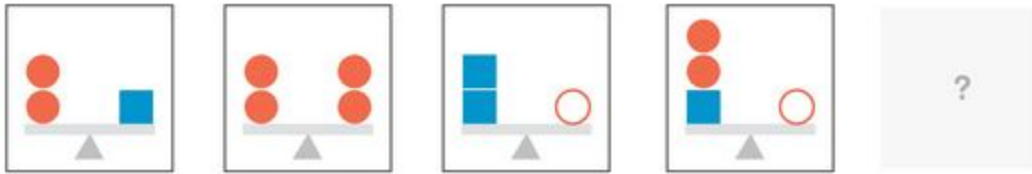
A. IJT B. CMN C. VIJ D. UJI

Q4.) Which of the given shapes would complete the sequence?



A B C D

Q5.) Which of the given shapes fits the pattern in the sample images?



A B C D

Q6.) By working 5 hours/day, 4 waiters can serve 250 dishes in 8 days. 2 waiters would require how many hours/day to serve 500 dishes in 20 days?

A. 8 B. 6 C. 7 D. 9

Q7.) Find a two-digit number whose product of the digits is 8 and when 18 is added to this number, the digits are reversed.

A. 81 B. 42 C. 24 D. 18

Q8.) What is the probability that a chosen number is a perfect cube if it is chosen at random from the set {1,2,3, ..., 100}?

A. 1/10 B. 1/2 C. 4/13 D. 1/25

Q9.) Mutua, Ahmed and Kemboi can do a work in 90, 30 and 45 days respectively. If they work together, in how many days will they complete the work?

A. 10 B. 15 C. 13 D. 16

Q10.) If a company had wanted to increase its turnover by 45% from Year 1 to Year 3, by what percentage did it miss that target?

	Year 1 (Ksh.)	Year 2 (Ksh.)	Year 3 (Ksh.)
Turnover	1,345,000	1,547,000	1,701,000
Cost of Sale	847,000	932,000	1,055,000
Gross Profit	498,000	615,000	647,000
Administrative Expenses	149,000	138,000	97,000
Distribution cost	235,000	201,000	194,000
Net Profit	114,000	276,000	356,000
Tax (20%)	23,000	55,000	71,000
Profit after tax	91,000	221,000	284,000

A. 12.8% B. 14.8% C. 13.8% D. 15.8%

Q11.) What is the value of `typeof undefined == typeof NULL`?

A. True B. False

Q12.) What is the difference between window & document in JavaScript?

A. A document is a global object which holds variables, functions, history, location.

While a window also comes under the document and can be considered as the property of the document.

B. A window is a global object which holds variables, functions, history, location.

While

a document also comes under the window and can be considered as the property of the window.

Q13.) Which is NOT an absolute length unit in CSS?

A. cm B. em C. mm D. px

Q14.) What does `isNaN` function do?

A. Returns false if the argument is not a number.

B. Returns true if the argument is a number.

C. Returns true if the argument is not a number.

D. None of the above.

Q15.) Which is NOT an HTML5 element?

A. dialog B. figcaption C. meter D. None of the above

Q16.) In the first 35 overs of a cricket game, the run rate was only 6.4. What should be the run rate in the remaining 15 overs to reach the target of 410 runs?

A. 13.64 B. 11.16 C. 12.4 D. 46.493333

Q17.) Can you find the approximate value for the below equation

$$\sqrt{17 + \sqrt{51 + \sqrt{152 + \sqrt{289}}}}$$

A. 3 B. 5 C. 8 D. 11

Q18.) A teacher gets to the class at 8.35am. Mark a student, arrives at the class 45 minutes later and is 15 minutes late for the lesson. By how much time did the teacher arrive earlier than the scheduled time?

A. 45 B. 35 C. 20 D. 30

Q19.) Mr. Brown's rabbits are grey. All grey creatures are kind. Therefore, Mr. Brown's rabbits are unkind. True or False?

A. True B. False

Q20.) Alice is faster than Mercy. Mercy is slower than Mitchelle. Grace is not the slowest and Mitchelle is the quickest of the four. Who is the slowest?

A. Mercy B. Grace C. Alice D. Mitchelle