

TEST

AMO Grade4 Mock Test Paper 2

QUESTIONS

SECTIONS

1. Section A MCQs - 15 Questions
2. Section B Integers - 10 Questions

Section 1 : Section A MCQs - 15 Questions

1 Four kids can paint four balls in four minutes. If everyone works at the same speed, how many kids can paint 12 balls in 12 minutes?

☐ 4

☐ 6

☐ 8

☐ 10

☐ 12

Correct: +4 · Incorrect: -1

Find the value of

2 $25 \times 48 + 32 \times 25 + 25 \times 20$

☐ 1250

☐ 2500

☐ 2525

☐ 2505

Correct: +4 · Incorrect: -1

3 How many whole numbers from 1 to 100 are not divisible by 5 or 7?

☐ 68

☐ 66

☐ 76

☐ 78

☐ 80

Correct: +4 · Incorrect: -1

The following 3×3 grid is to be filled with numbers from 1 to 9. The numbers in each row and column add up to 15. Find the value of *.

	9	
	2	*
		3

4

☐ 4

☐ 5

☐ 6

☐ 7

☐ 8

Correct: +4 · Incorrect: -1

Find the sum of $A + B + C$ if different letters stand for different digits.

$$\begin{array}{r} A 8 \\ \times 8 \\ \hline B C C \end{array}$$

5

☐ 15

☐ 12

☐ 10

☐ 8

☐ 7

Correct: +4 · Incorrect: -1

6 What is the largest 3-digit number which is divisible by 24?

☐ 999

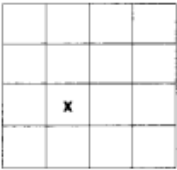
☐ 996

☐ 984

☐ 968

Correct: +4 · Incorrect: -1

The following picture shows a 4×4 square. How many squares of any size are there comprised of the one marked with **X**?



7

☐ 1

☐ 4

☐ 5

☐ 10

☐ 16

Correct: +4 · Incorrect: -1

Find the value of $A5B + C9$.

	A	5	B
-		C	9
	2	9	9

8

☐ 400

☐ 417

☐ 444

☐ 527

☐ 544

Correct: +4 · Incorrect: -1

9 Sarah and Rose have a few pencils. Two-fifths of Sarah's pencils and eight-ninths of Rose's pencils are both 40 each. Who has more pencils and by how many?

☐ Sarah, 40

☐ Rose, 40

☐ Sarah, 50

☐ Rose, 50

☐ Sarah, 55

Correct: +4 · Incorrect: -1

10 There are 5 green, 9 orange, 6 red and 4 blue candies in a bag. At least how many candies must Sam take out without looking to ensure that he gets the first red candy?

☐ 19

☐ 4

☐ 3

☐ 15

Correct: +4 · Incorrect: -1

The following $4 \times 4 \times 4$ cube is painted red on all its faces. Find the number of smaller cubes with at most two faces painted.



11

☐ 8

☐ 16

☐ 24

☐ 36

☐ 56

Correct: +4 · Incorrect: -1

In five years from now, the combined age of Derrick and Stacy will be 37. Derrick was twice as old as Stacy 3 years ago. How old is Derrick now?

12

☐ 7

☐ 10

☐ 14

☐ 17

☐ 20

Correct: +4 · Incorrect: -1

13 Two regular 6-sided dice were rolled. All the numbers visible on the dice were added. The sum of numbers on all the visible faces was 31. What is the difference between the 2 numbers facing the ground?

☐ 0

☐ 1

☐ 2

☐ 3

☐ 4

Correct: +4 · Incorrect: -1

14 Ron and Vanda each thought of a two-digit number. The product of their digits was 24 and 35 respectively. The difference between their numbers was 37. What is the sum of their numbers?

☐ 95

☐ 100

☐ 113

☐ 139

Correct: +4 · Incorrect: -1

15 Ann read a book with 1000 pages. How many digits were used to print the page numbers on the book?

☐ 3000

☐ 2550

☐ 2987

☐ 3193

☐ 2893

Correct: +4 · Incorrect: -1

Section 2 : Section B Integers - 10 Questions

16 Sam filled up some boxes with sweets. If he put 5 sweets in each box, he would have left with 4 extra sweets. If he put 6 sweets in each box, the last box would have only 2 sweets. Find the number of sweets Sam had.

Correct: +5

17 When the product of 9 and a number is divided by 4 and then multiplied by 25, the result is 19800. Find the number.

Correct: +5

18 What is the largest possible value of m in the 5-digit number $653m2$ such that it is divisible by 3?

A five-digit number is formed such that it satisfies the following conditions:

- It is a multiple of 3 and 5.
- The third digit is half of the first digit and one less than the second digit.
- The sum of the first three digits is 13 and the sum of the last three digits is 8.
- The fourth digit is the second-largest digit of that number.

19 Find the sum of digits of that number.

Correct: +5

Find the sum of the numbers in the 12th group of the following sequence:

20 $(1, 4, 6), (2, 6, 10), (3, 8, 14), \dots$

Correct: +5

16 trees are planted on one side of the road. Two cars are parked between every two trees. How many cars are there?

21

Correct: +5

Ten small ropes of the same length were knotted together to form a big rope of 81 cm. If the knotted area was 1 cm for every rope, how long was each rope?

22

Correct: +5

Find the value of the digit at the ones place of the following expression:

23 $100 \times 102 \times 104 \times 106 \times 108 - 99 \times 101 \times 103 \times 105 \times 107$

Correct: +5

Among Jack, Jade and James, one of them is a painter, the other is a lawyer and the third is a firefighter. Jack is older than the firefighter while the lawyer is younger than James. Also, Jade and the lawyer are not the same age. Find who the firefighter is.

(Put Jack=1, Jade=2 and James=3 in your answer)

24

Correct: +5

Patrick scored 82 and 85 marks respectively in English and Science. If the total marks of these papers are 100, how many marks should he score in Mathematics so that his average marks in these three subjects becomes 87?

25

Correct: +5

TEST

AMO Grade4 Mock Test Paper 2

ANSWERS

SECTIONS

1. Section A MCQs - 15 Questions
2. Section B Integers - 10 Questions

Section 1 : Section A MCQs - 15 Questions

1 4

2 2500

3 68

4 7

5 15

6 984

7 10

8 417

9 Sarah, 55

10 19