

Mindbenz Olympiad of Mathematics (MOM)

Sample Paper

Grade - 3

Maximum Marks: 40

Time Allowed – 45 Minutes

Section: A Fundamental Check (10 Questions $\times$ 1 mark = 10 marks)

1. What is the smallest number that can be formed using the digits 7, 0, 5, 3 without repeating any digit?

- A. 3057
- B. 3050
- C. 3059
- D. 3057

2. Which pair of numbers has a sum of 5,432?

- A. $2,100 + 3,000$
- B. $2,432 + 3,059$
- C. $1,234 + 4,191$
- D. $5,432 + 0$

3. A book costs ₹135. How much will 6 books cost?

- A. ₹765
- B. ₹810
- C. ₹715
- D. ₹675

4. Rina bought a pencil for ₹12.50, a notebook for ₹34.75, and an eraser for ₹5.25. How much money did she spend in total?

- A. ₹52.50
- B. ₹50.25
- C. ₹47.75
- D. ₹48.50

5. Find the value of: $36 \div 6 + 5 \times 2$

- A. 24
- B. 18
- C. 16
- D. 20

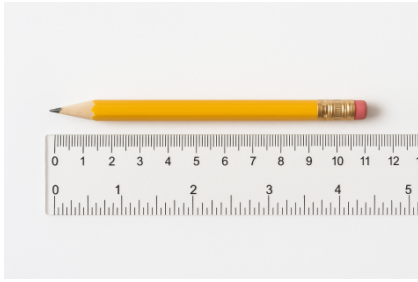
6. Subtract smallest 4-digit number from 3,145. What is the result?

- A. 1685
- B. 2865
- C. 2145
- D. 1875

7. Which of the following fractions is the greatest?

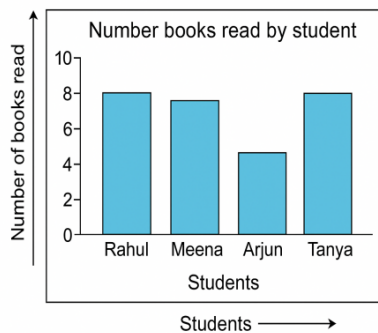
- A. $\frac{1}{4}$
- B. $\frac{2}{5}$
- C. $\frac{3}{6}$
- D. $\frac{2}{3}$

8. Look at the pencil shown below. What is the length of the pencil in centimetres?



- A. 13 cm
- B. 12 cm
- C. 14 cm
- D. 11 cm

9. The bar graph below shows the number of books read by students in a week.



Who read more books than Arjun but fewer than Tanya?

- A. Arjun
- B. Meena
- C. Rahul
- D. Tanya

10. Which of the following options shows the correct order of numbers from greatest to smallest?

- A. $5,103 > 5,301 > 4,993 > 4,901$
- B. $5,301 > 5,103 > 4,993 > 4,901$

C. $4,901 > 4,993 > 5,103 > 5,301$

D. $5,301 > 4,993 > 5,103 > 4,901$

Section: B Application Zone (10 Questions $\times$ 1 mark = 10 marks)

11. Find the value of ★.

The number before 300 is 299. When we add 50 to 299 we get ★.

What is the value of ★?

A. 350

B. 349

C. 348

D. 347

12. A shopkeeper had ₹ 7500. He spent ₹ 3590 on goods. How much money is left?

A. ₹ 3910

B. ₹ 3890

C. ₹ 4010

D. ₹ 3980

13. Find the missing number:

$$\underline{\quad} + 1245 = 3870$$

A. 2635

B. 2525

C. 2625

D. 2645

14. Which of the following shows a fraction equal to $\frac{1}{2}$?

A. $\frac{2}{4}$

B. $\frac{2}{5}$

C. $\frac{3}{6}$

D. Both A and C

15. A farmer harvested 2480 kg of wheat in January and 3950 kg in February. How much more did he harvest in February?

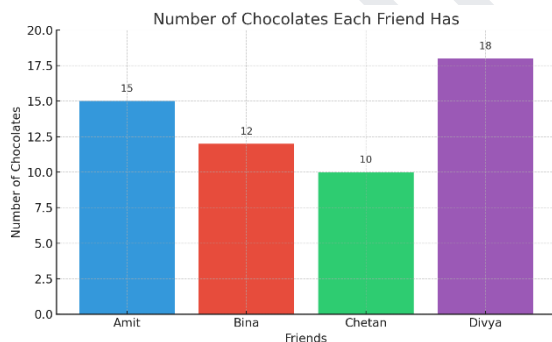
A. 1470 kg

B. 1580 kg

C. 1510 kg

D. 1550 kg

16. The bar graph shows the number of chocolates 4 friends have:
How many chocolates are there in total?



A. 35

B. 49

C. 55

D. 37

17. Find the quotient when 9,875 is divided by 25.

- A. 395
- B. 400
- C. 390
- D. 385

18. What is the length of crayon in centimetres?



- A. 13 cm
- B. 12 cm
- C. 14 cm
- D. 7 cm

19. A warehouse has 6845 apples and 4390 oranges.

How many more apples are there than oranges?

- A. 2455
- B. 2545
- C. 2435
- D. 2535

20. A pencil box costs ₹280. Aanya saves ₹20 every week.

In how many weeks will she be able to buy the pencil box?



- A. 12
- B. 14

- C. 15
- D. 13

Section C: Maths Mastery (10 Questions × 2 marks = 20 marks)

21. The product of 562 and 3 is _____ less than the sum of 2250 and 1778.

- A. 2896
- B. 2342
- C. 1984
- D. 4984

22. Ria has 920 oranges. She wants to pack them in cartons. If each carton holds a maximum of 40 oranges, what is the minimum number of cartons needed to pack all the oranges?

- A. 22
- B. 23
- C. 24
- D. 25

23. If 56 tens are subtracted from 480 hundreds, what is the resulting number?

- A. 42400
- B. 47200
- C. 42400
- D. 47440

24. Kavya, Mehul, and Rani shared some chocolates. Kavya ate 6, Mehul ate 5, Rani ate 4, and 5 chocolates were left.

What fraction of chocolates were left?

A. $\frac{5}{20}$

B. $\frac{1}{3}$

C. $\frac{1}{4}$

D. $\frac{5}{15}$

25. The given pictograph shows the number of toffees 5 students have.

Study the pictograph carefully and answer the following question.

 = 4 toffees

Ayaan 

Meera 

Rudra 

Tina 

Lina 

What is the difference between the number of toffees Rudra and Meera have?

A. 4

B. 8

C. 12

D. 6

26. Identify the four-digit number.

- Its thousands digit is one less than the tens digit.
- Its hundreds digit is the largest single-digit odd number.
- The ones digit is one more than the tens digit.
- Its tens digit is greatest single digit even number.

What is the number?

- A. 8689
- B. 9739
- C. 7989
- D. 7624

27. Tanish bought 1.5 kg Apples, 2 kg Tomatoes, 1 kg Onion, and 0.5 kg Brinjal. How much money did he get back from ₹500?

Items Price per kg

Apple	₹ 90
Tomato	₹ 40
Onion	₹ 50
Brinjal	₹ 60

- A. ₹ 170
- B. ₹ 205
- C. ₹ 185
- D. ₹ 190

28. The distance between Ria's home and the park is half the distance between the park and the zoo.

If the distance between the park and the zoo is 240 m, find the distance Ria travelled:

(a) From her home to the zoo



Ria's Home



Park



Zoo

A. 120 m

B. 360 m

C. 240 m

D. 300 m

29. Aryan bought **180 balloons**. If he gives an equal number of balloons to **6 friends**, how many balloons will each friend get?

A. 30

B. 25

C. 28

D. 35

30. A sack can carry a maximum of 120 kg. Riya adds 27 kg of rice, 31 kg of pulses, 25 kg of wheat, and 8 kg of lentils to the sack.

How much more weight can the sack carry?

A. 29 kg

B. 30 kg

C. 35 kg

D. 32 kg

Answer Key

1. a	7. d	13. c	19. a	25. b
2. d	8. d	14. d	20. b	26. c
3. b	9. b	15. a	21. b	27. b
4. a	10. b	16. c	22. b	28. b
5. c	11. b	17. a	23. d	29. a
6. c	12. a	18. d	24. c	30. a