



CREST Mathematics Olympiad (CMO)

Previous Year Paper (2021-22)

Class 1

Time Allowed: 1-hour

Maximum Marks: 45

- Additional **10 minutes** will be allotted to fill up information on the OMR Sheet, before the start of the exam.
- Fill in all the mandatory fields clearly on the OMR Sheet.
- There are **2 sections** in the question paper namely the **Practical Mathematics & Achievers' Section** consisting of **25 questions (1 mark each) & 10 questions (2 marks each)**, respectively.
- There is no negative marking. The use of a calculator is not permitted.
- There is **only ONE correct option** to a given question.
- Use **HB Pencil or Blue / Black ball point pen only** for marking the correct choice of answers on the OMR Sheet.
- Rough work is to be done in the space provided in the test booklet. Extra plain sheet may be provided by the school for the rough work.
- The OMR Sheet is to be handed over to the invigilator at the end of the exam.
- No candidate is allowed to carry any textual material, printed or written, bits of paper, any electronic device, etc. inside the examination hall.
- The use of unfair means may result in the cancellation of the exam. Any such instances may be reported at **+91-98182-94134** or **info@crestolympiads.com**

DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

FILL IN THE DETAILS

Student Name: _____

Class: _____ Section: _____

Enrollment No: _____

Practical Mathematics (Each Question is 1 Mark)

1. Robert's birthday falls on the third Sunday in the month of April. What is his birth date?

APRIL 2019						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

- a. April 27
b. April 21
c. April 14
d. April 28
2. Find the length of the given scissors:



- a. 9 cm
b. 10 cm
c. 11 cm
d. 12 cm
3. A boy climbs a tree to pluck a mango that is at a height of 8 m. He has climbed a distance of 3 m on the tree. How much more does he have to climb?
- a. 11 m
b. 4 m
c. 7 m
d. 5 m
4. Max wants to buy a teddy bear and a football. How much must he pay?



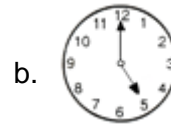
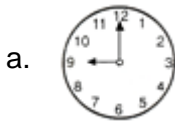
\$115



\$25

- a. \$130
b. \$135
c. \$140
d. \$145

5. At what time should Jack go to sleep in the night?



6. A company has Saturdays and Sundays off. Apart from this, every employee gets a leave on his birthday. Arav's birthday falls on the second Wednesday of the given calendar month. How many days are off for him in this month?

February 2019						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	18	20	21	22	23
24	25	26	27	28		

- a. 7
c. 9

- b. 8
d. 10

7. Which of these will weigh the most?



8. Alice and his younger brother Aman weigh 48 kg altogether. If Aman's weight is 15kg, then what is Alice's weight?

- a. 63 kg
c. 23 kg

- b. 33 kg
d. 37 kg

9. Choose the correct number statement:



- a. $13 - 5 = 8$
- c. $12 - 6 = 6$

- b. $13 - 6 = 7$
- d. $112 - 5 = 7$

10. Pam has 32 dresses. Kate has 7 dresses less than Pam. How many dresses does Kate have?

- a. 25
- c. 26

- b. 23
- d. 24

11. Find the height of giraffe in units if 1 Block = 1 unit:



- a. 6 unit
- c. 8 unit

- b. 7 unit
- d. 9 unit

12. Rachel has 7 pairs of hairclips. Her father gifts her another 8 pairs of hairclips on her birthday. How many pairs of hairclips does she have now?

- a. 7
- c. 15

- b. 8
- d. 313

13. Find the odd one out:



14. Which of these numbers is the greatest?

a. $17 + 19$

b. $15 + 23$

c. $16 + 21$

d. $18 + 19$

15. Match the following:

A.	Two hundred and twenty	i.	202
B.	Two hundred and two	ii.	220
C.	Two hundred and twelve	iii.	212

a. (A) – (ii), (B) – (i), (C) – (iii)

b. (A) – (i), (B) – (ii), (C) – (iii)

c. (A) – (iii), (B) – (i), (C) – (ii)

d. (A) – (iii), (B) – (ii), (C) – (i)

16. Peter buys 3 ice creams. How much money will he have to pay if the cost of 1 ice cream is \$15?

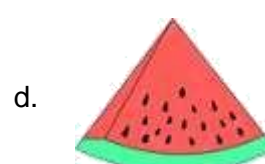
a. \$50

b. \$30

c. \$45

d. \$35

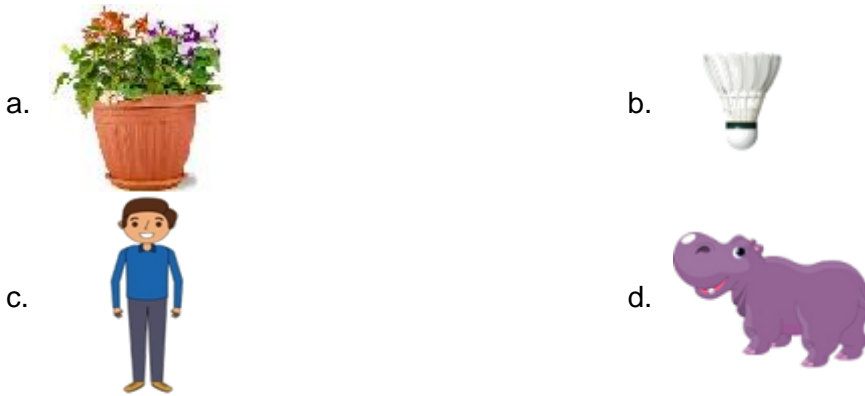
17. Which of these objects closely resembles a rectangle?



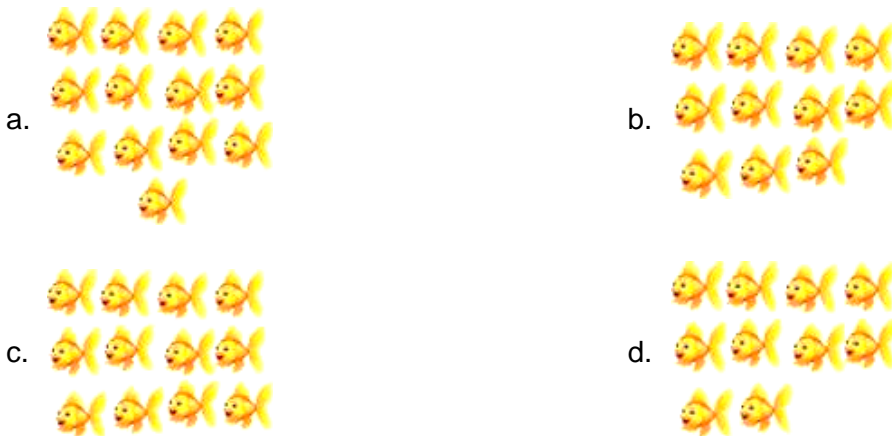
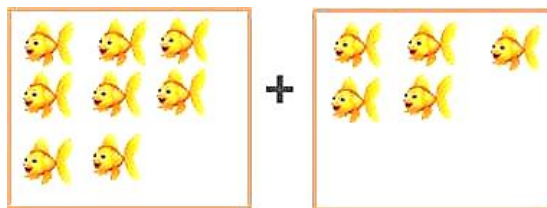
18. Find the odd one out:



19. Which of the following is the lightest?



20. Look at the image and add:



21. Which of the following is in the correct descending order?

- a. $64 < 45 < 18 < 25$ b. $64 < 45 < 25 < 18$
 c. $64 > 45 > 25 > 18$ d. $18 > 25 > 45 > 64$

22. Which number will replace the "?" in the question given below?



- a. 7 b. 6
 c. 8 d. 10

23. Which of these toys can Michael buy if he has \$75 with him?



24. Which of these objects closely resembles a circle?



25. Which of these is expanded form of 707?

- a. $700 + 10 + 7$
c. $700 + 70$

- b. $700 + 7$
d. $700 + 70 + 7$

Achiever's Section (Each Question is 2 Marks)

26. Match the following:

A.	7tens2ones-17ones	i.	25
B.	6tens8ones-42ones	ii.	26
C.	45ones-2tens	iii.	55

- a. (A) – (iii), (B) – (ii), (C) – (i)
c. (A) – (ii), (B) – (iii), (C) – (i)

- b. (A) – (i), (B) – (ii), (C) – (iii)
d. (A) – (ii), (B) – (i), (C) – (iii)

27. A man took two hours to travel from his home to the office in the morning. Due to a traffic jam on his way back, it took him four hours and 30 minutes to reach back home from office. How many hours did he travel in the day?

- a. 5 hours 30 minutes
 b. 6 hours 30 minutes
 c. 4 hours 30 minutes
 d. 6 hours

28. Fill in the blank:

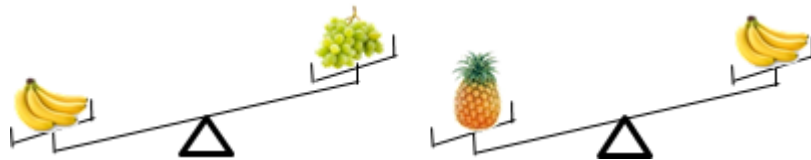
81, 72, ____, ____, 45, 36

- a. 65, 57
 b. 63, 54
 c. 68, 55
 d. 66, 58

29. Select the odd one out:

- a. 132
 b. 240
 c. 125
 d. 411

30. Arrange in ascending order of weights:



- a. Banana > Grapes > Pineapple
 b. Banana < Grapes < Pineapple
 c. Grapes > Banana > Pineapple
 d. Grapes < Banana < Pineapple

31. Find X and Y respectively, if

$$\begin{array}{r} YX \\ - 19 \\ \hline 25 \end{array}$$

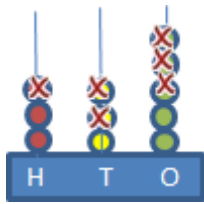
- a. 4, 4
 b. 4, 3
 c. 3, 4
 d. 4, 5

32. Find X + Y when:

$$\begin{array}{r} X9 \\ + 4Y \\ \hline 63 \end{array}$$

- a. 2
 b. 3
 c. 5
 d. 4

33. Which of these number statements correctly represents the number in the abacus given?



- a. $332 - 120$ b. $315 - 111$
c. $325 - 122$ d. $335 - 123$
34. Jack buys a Pizza and a packet of Cashews that together cost him \$165. He pays \$200 at the counter. How much money will he receive?
- a. \$25 b. \$35
c. \$45 d. \$55
35. Anna says that her flat is at 12 m from the ground level. Jay says that his flat is at 8 m from the ground level. What is the vertical distance between their flats?
- a. 4 m b. 5 m
c. 6 m d. 7 m

Answer Key

1. b 2. b 3. c 4. d 5. a 6. c 7. d 8. b 9. a 10. a
11. b 12. c 13. d 14. b 15. a 16. c 17. b 18. b 19. b 20. a
21. c 22. a 23. b 24. d 25. b 26. a 27. b 28. b 29. c 30. d
31. a 32. c 33. d 34. b 35. a