HIBA Math Olympiad (HMO)
Sample Paper Grade 2

Pattern and Marking Scheme				
Grade	Topic / Section	NO. of Questions	Marks Per Questions	Total Marks
Grade 2	Practical Mathematics	25	1	25
	Achiever's Section	10	2	20
Grade Total		35		45

The total duration of the exam is 60 minutes. Grade 2 (Age 7–8)

Syllabus

Section 1: Numerals, Number Names, Number Sense (2 digit numbers), Addition, Subtraction, Lengths, Weights and Comparisons, Time, Money, Geometrical Shapes and Solids, Patterns.

Achievers Section: Higher Order Thinking Questions - Syllabus as per Section

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Each Question is 1 Mark

1. 449 comes just before

   a. 451   b. 447   c. 450   d. 448

2. The face value of 8 in 85 is

   a. 8   b. 80   c. 85   d. None of these

3. $121 + 314 = ?$

   a. 421   b. 523   c. 435   d. 534

4. Rina has 250 stamps. She has 100 more stamps than Puja. Which of the following shows the number of stamps Puja have?

   a. $250 + 100$ b. $250 - 100$ c. $150 + 100$ d. $150 - 100$

5. There are 2 groups of books. If each group contains 4 books. Then the total number of books are

   a. 10   b. 8   c. 16   d. None of these

6. How many ◯ will be require to complete the given figure?
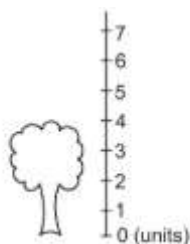

   a. 20   b. 25   c. 30   d. 35

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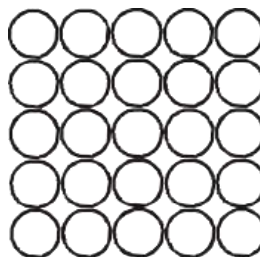
7. 200 Cent =

    a. 1 dollar   b. 20 dollar   c. 3 dollar   d. 2 dollar
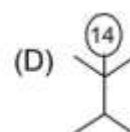
8. The sum of 7 dollar and 8 dollar is
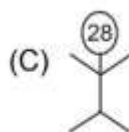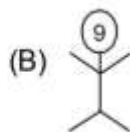
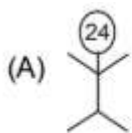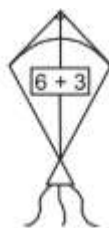   a. 170 Cents   b. 130 Cents   c. 150 Cents   d. 160 Cents
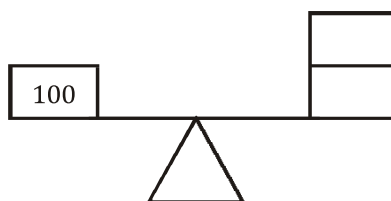
9. The height of tree is =

    a. 4   b. 5   c. 3   d. None of these

10. The kite flying in the sky belongs to which boy?

(A) 24   (B) 9   (C) 28   (D) 14

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11. Which two boxes can balance the following scale?

a. 50 and 40

b. 30 and 80

c. 60 and 40

d. 70 and 20

12. Which number will fill the empty box?

| 6 tens | 5 ones | — | 5 ones | = | |

a. 40   b. 6   c. 55   d. 60

13. Lucy and a friend went to the beach, where Lucy collected 97 pounds of shells. Her friend gathered 13 pounds of shells. How many pounds of shells do they have in total?

a. 112   b. 111   c.113   d.110

14. Tom has 3 containers: a mug, a jug, and a glass. He wants to fill all with the same amount of juice. Which container will get full first?

a. Jug   b. Mug   c. Glass   d. All take the same time

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15. Which container has the **least capacity**?

      a. A tank   b. A bucket   c. A glass   d. A barrel

16. Roger started his homework at the time mentioned on the clock. He finished his homework in 3 hours and 15 minutes. At what time did he finish his homework

a.   b.

c.   d.
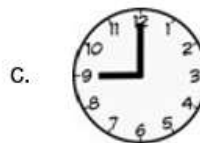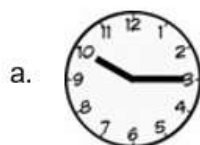
**17.** If Mango = 400 grams, Apple = 200 grams and Mango + Apple + Grapes = 800 grams, then what will be the weight of Grapes?

      a. 100 grams   b. 200 grams   c. 300 grams   d. 400 grams

18. Peter's school declared summer vacations from May 18. For how many days did the teachers attend the school if their vacations started on the same date and if they had to report to school on all Saturdays?

May 2019						
Su	**Mo**	**Tu**	**We**	**Th**	**Fr**	**Sa**
			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	31	

a. 17 days   b. 18 days   c.19 days   d.20 days

19. Which one of these has maximum number of straight lines?

a.   b.

c.   d.
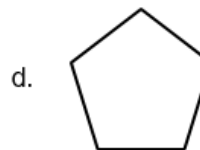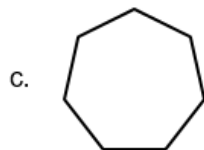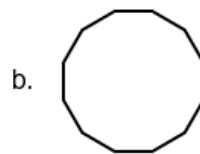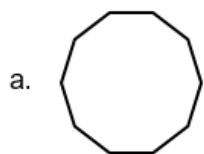
20. Which shape is a triangle?

a.   b.   c.   d.

21. How many sleeping lines are there in the given figure?

a. 8   b. 16   c. 5   d. 4

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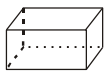
22. Jatin circled numbers on this chart to make a number pattern

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
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

What is the next number Jatin circled to continue his pattern?

a. 42   b. 50   c. 46   d. None of these

23. Which of these solid has both a flat surface and a curved surfaced?

a.   b.   c.   d. None of these

24. Look at the picture. How many fish did Heena and Beena catch all together?

| Fish Caught Each ⇨ = 1 fish	
Henna	⇨ ⇨ ⇨ ⇨
Beena	⇨ ⇨ ⇨ ⇨ ⇨ ⇨
Krish	⇨ ⇨

a. 8   b. 6   c.10   d. 11

25. Oscar has to board a train that arrives at the station at 4:20 p.m. If he reaches the station at 3:45 pm, then how long will he have to wait at the platform?

a. 45 minutes   b. 40 minutes   c. 50 minutes   d. 30 minutes

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Each Question is 2 Mark

26. Max went from his home to his school by cycle and then walked from school to the library. He walked back from the library to school to take his cycle and came back home. How much distance did he cycle?
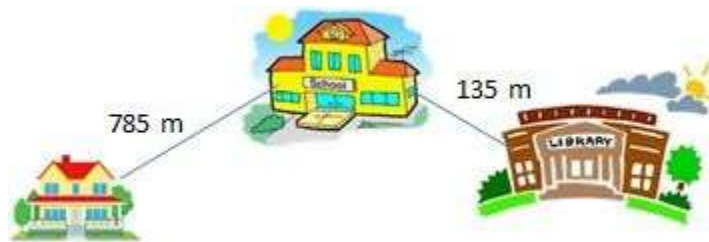
a. 1 km 470 m   b. 1 km 570 m

c. 1 km 200 m   d. 1 km 238 m

27. What is the number name for 134 more than 625?

a. Seven hundred and ninety   b. Seven hundred and ninety-five
c. Seventy-nine   d. Seven hundred and fifty-nine

28. Which picture shows how four children should share twelve cookies equally?

a.   b.   c.   d. None of these

29. How many circles are there in the picture?

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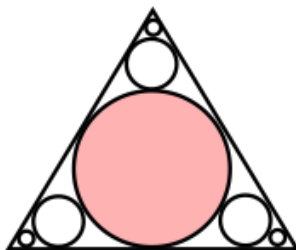
    a. 5   b. 6
    c. 7   d. 8

30. I am a two-digit number. The sum of the digits present at my ones place and

ten's place is 7 and I am an odd number. I lie between 30 and 50. Who am I?

a. 34   b. 52

c. 61   d. 43

31. Which of these statements is correct regarding the picture given?

    a. Cake is heavier than fruits   b. Fruits are heavier than cake
    c. Cake and fruits are equal in weight   d. Fruits are lighter than cake

32. Five friends planned to show off their toys to one another. They had a lot of toys, so

they decided to show them in pictograph form, as shown in the image below. Amy

and Lucy have how many toys together?

a. 20
b. 40
c. 60
d. 80

33. The given picture shows the number of students in sections A, B, C and D of

class 2. How many students should be transferred from section C to D so that

there are equal number of students in both sections?

| Section A | Section B | Section C | Section D |

Each 🎾 stands for 10 Students

a. 1
b. 2
c. 10
d. 20

34. Jhon sorted some shapes into the following groups

| Group A | Group B |
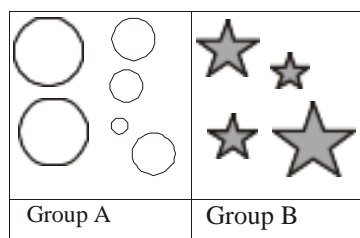
Which of the following shape should Jhon include in **Group B**.
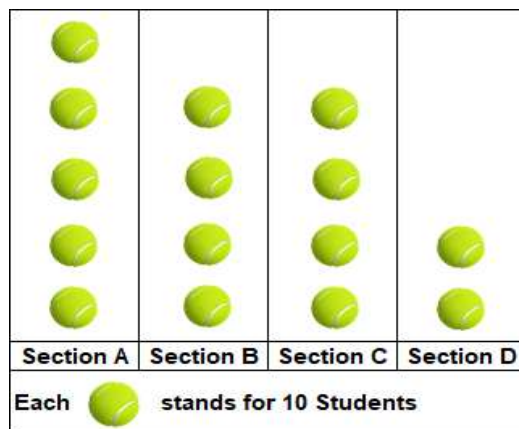
a. ☆
b. ★
c. ◯
d. None of these

35. Oliver went shopping on the second Sunday of the month. After checking for the

products, she found 2 of them faulty and returned them on the immediate Tuesday

as the shop remains closed every second Monday of the month. On which date

did she return the products?

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January 2019

Su	Mo	Tu	We	Th	Fr	Sa
		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	31		

a. January 14

b. January 15

c. January 22

d. January 28

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Answer Key

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

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