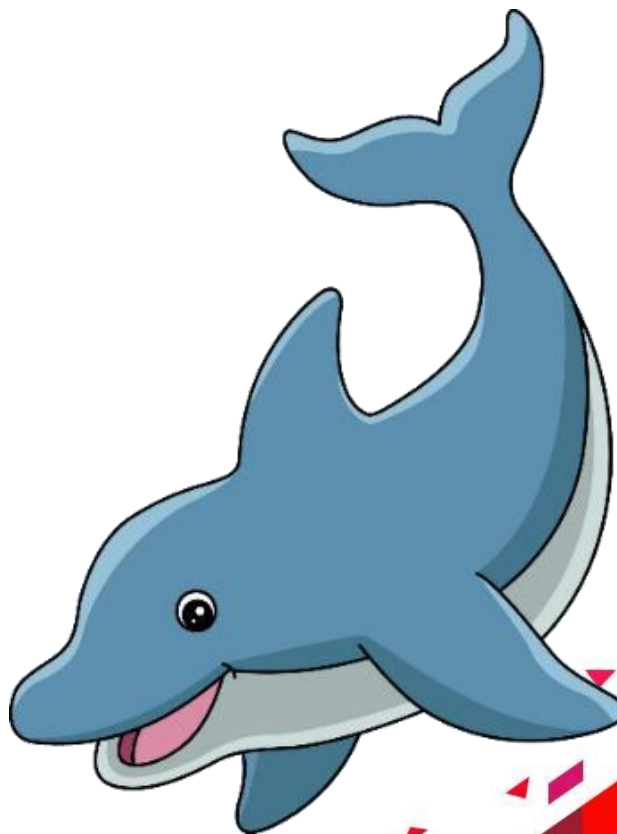


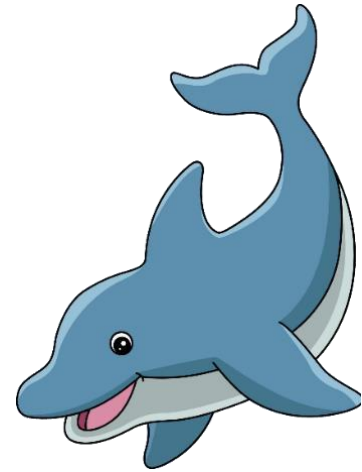


MATH OLYMPIAD

Past Contest Papers 02

Dolphins Category
(Ages 6 yr to 9 yr)





On-paper Assessment Round

Name		Time Allowed	90 minutes
Code #		Total Marks	100

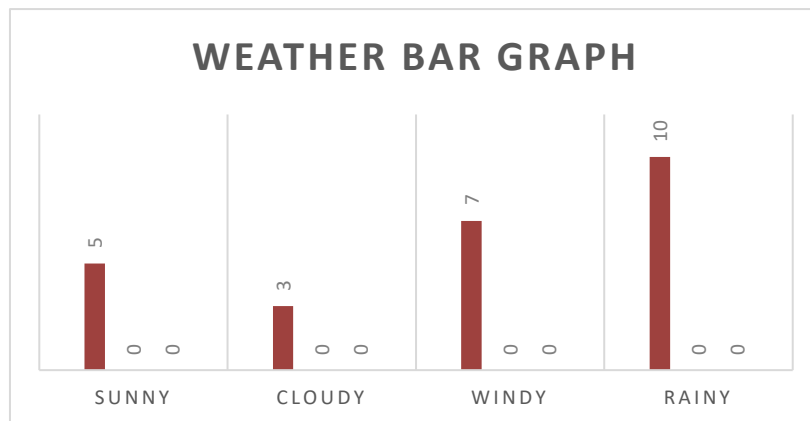
Q.1 A Spider has 6 legs. How many legs do 14 Spiders have?

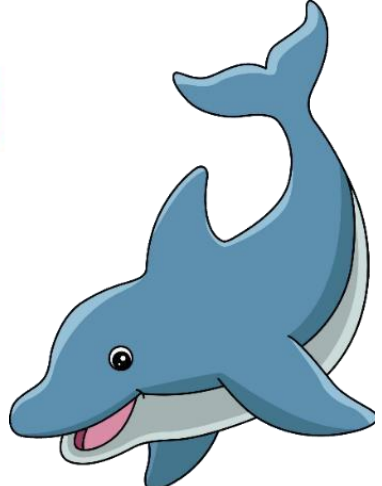
- a. 85
- b. 84
- c. 86
- d. 83

Q.2 There are 5 basketballs on the playground. There are 7 footballs on the playground. Are there more basketballs or footballs?

- a. Basket ball
- b. Football
- c. Basketball and football
- d. None of them

Q.3 Look at the bar graph and answer the questions.





Q.3 (a) How many days were rainy?

- a. 8
- b. 9
- c. 10
- d. 12

Q.3 (b) How many days were rainy?

- a. 8
- b. 9
- c. 10
- d. 12

Q.3(c) How many less windy days were there than rainy days?

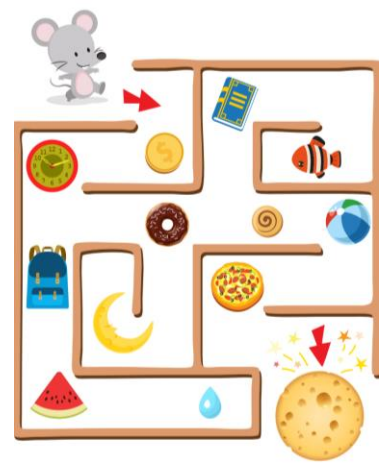
- a. 5
- b. 8
- c. 10
- d. 12

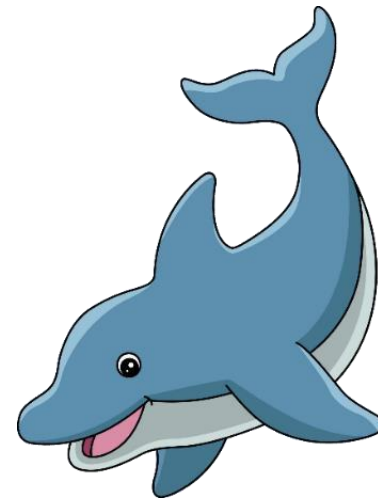
Q.3 (d) How many less windy days were there than rainy days?

- a. 5
- b. 8
- c. 10
- d. 9

Q.4 How many circles does the mouse need to pass before reaching the cheese?

- a. four
- b. five
- c. five
- d. six





Q. 5 There are 24 rabbits in a cage. 15 ran out from the cage how many rabbits left in a cage?

- a. 9
- b. 10
- c. 8
- d. 11

Q.6 Solve the riddle, Mother Name is Sixty-two, Son's name is Fifty-two, daughter name is forty-two what is the name of the Father?

- a. Twenty-two
- b. Sixty-two
- c. Two
- d. Sixty

Q.7 Ali had 23 sheep in his farm. He sold 11 to Sikander. How many Sheep's does Ali have now?

- a. 12
- b. 13
- c. 14
- d. 15

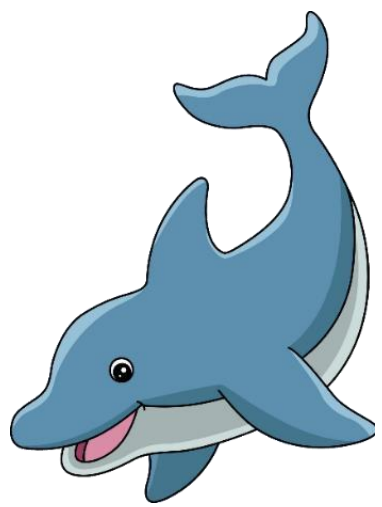
Q.8 Solve the following: $6 \times 7 =$

- a. 42
- b. 48
- c. 43
- d. 41

Q.9 You have 50 candies and your friend has 75 candies. How many candies did they have altogether?

- a. 130
- b. 150
- c. 125
- d. 140

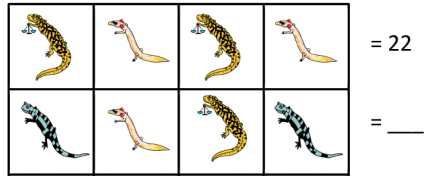




Q.10) Values of salamanders are shown.

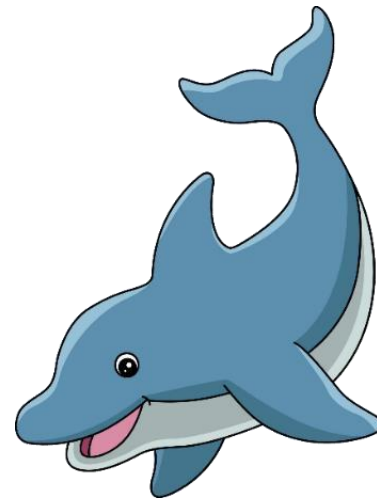


Solve the following



- a) 14
- b) 19
- c) 21
- d) 22





Computer Based Testing (CBT) On-campus

Name		Time Allowed	90 minutes
Code #		Total Marks	100

1. Solve: 121 Divided by 11 is.

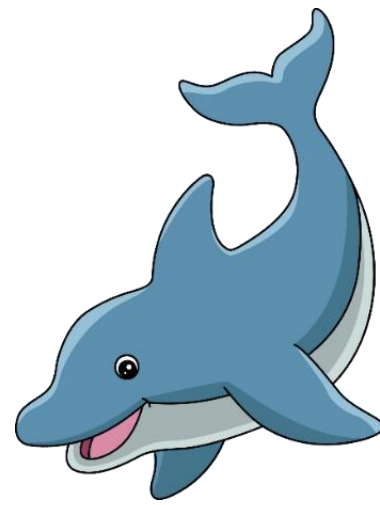
- a. 10
- b. 11
- c. 19
- d. 18

2. Julie and Angela played "kingbolt", a ball game. Each goal in their game scores 2 points. Julie scored 5 goals and Angela scored 9 goals. How many more points than Julie did Angela score?

- a. 10
- b. 8
- c. 6
- d. 4

3. Which is the BEST unit to measure the distance between Karachi and Lahore?

- a. Foot
- b. Inch
- c. Kilometer
- d. Yard



4. What fraction of the balloons remains after four balloons pop?

- a. $\frac{2}{3}$
- b. $\frac{5}{9}$

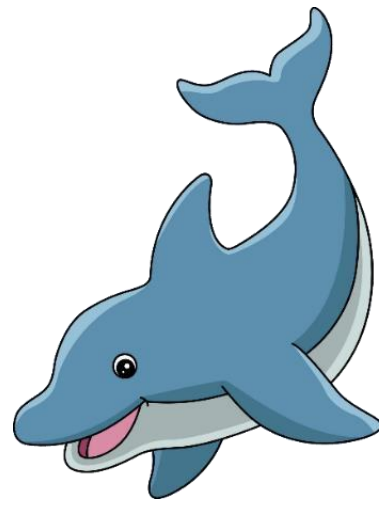
- c. $\frac{1}{2}$
- d. $\frac{1}{3}$

5. Find the missing Term in Multiples of 6: 6, 12, 18, 24, _, 36, 42, _ 54, 60.

- a. 32, 45
- b. 30, 48

- c. 25, 42
- d. 36, 48

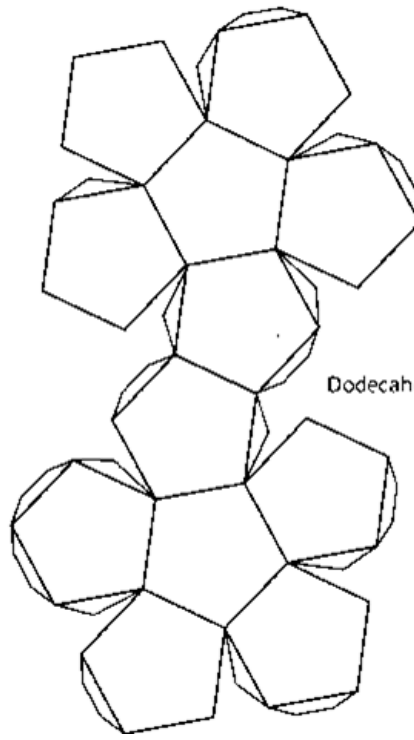




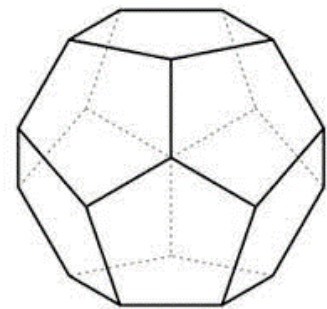
Hands-on Assignment

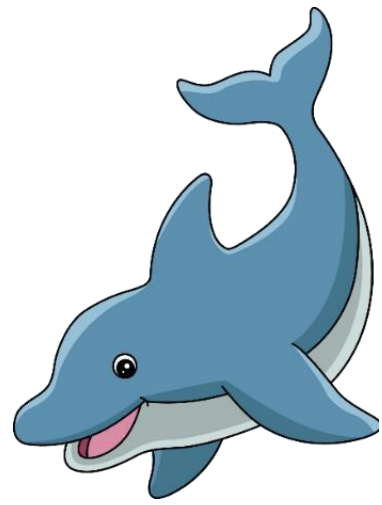
Name		Time Allowed	90 minutes
Code #		Total Marks	

Cut and fold the given shape of "dodecahedron" into 3D.



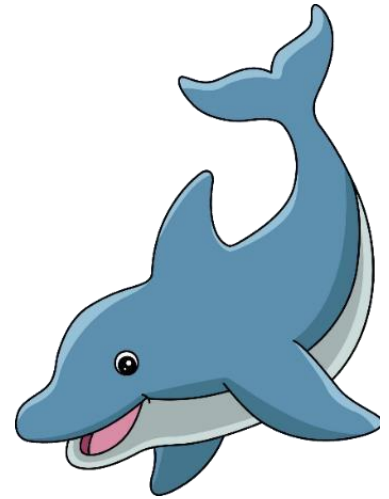
Dodecahedron



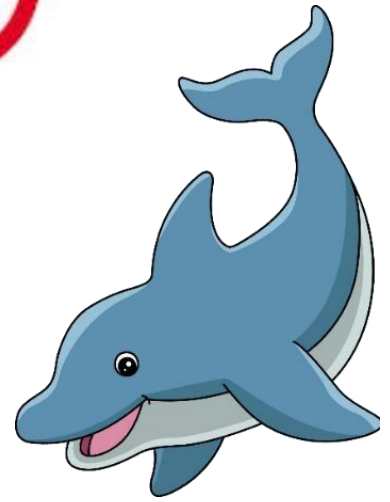


Verbal Timed Quiz (Time allowed: 30 sec per problem)

1. $48 - 19 = ?$
2. $60 \div 5 = ?$
3. How many minutes are there in 3.5 hr
4. How many corners does a heptagon have?
5. 21×21
6. If the time right now is 12:20 p.m., what time would it be after 40 min?
7. 13×11
8. If Alina's age is 31 years old in 2021. What was her age in 2005?
9. 5 ft are how many inches?
10. $44 \div 2$



11. How many angles does a square sum up to?
12. How many sides does a Pentagon have?
13. $18 - 11 = ?$
14. $20 \div 4 = ?$
15. How many minutes are there in 9.5 hrs
16. How many corners does a heptagon have?
17. 21×12
18. If it's 2:10 p.m. what time would it be after 90 min?
19. 13×34
20. If Hamza's age is 11 years old in 2021. What was her age in 2005?



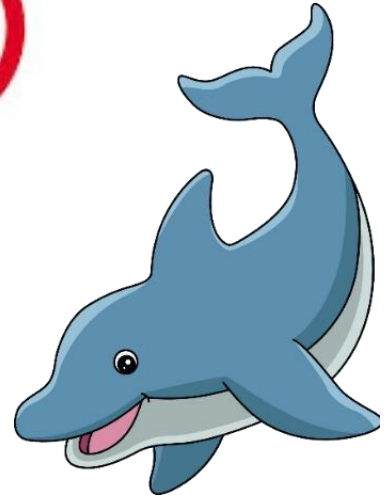
21. Five kg are how many pounds?

22. $444 \div 2$

23. How many angles does a triangle sum up to?

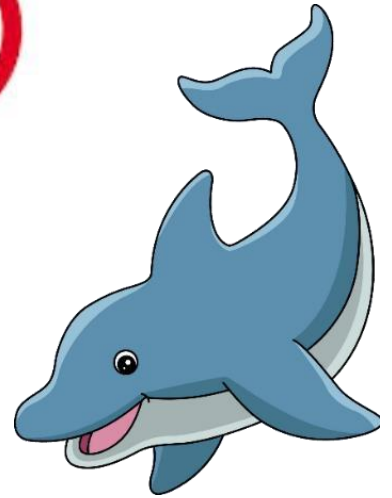
24. How many sides does a Heptagon have?

25. $100 - 44$

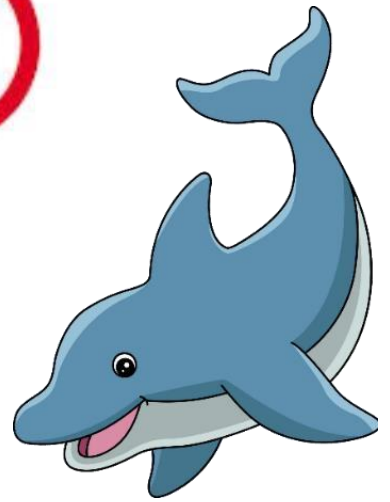


Buzzer Round (Verbal)

- 1) A dog weights 10 kg on earth, how much would it weigh on Jupiter?
- 2) If we minus 500 from 1500, how much do we get?
- 3) 60 Times 8 is equals to
- 4) How Many Months Have 30 Days?
- 5) If a man weighs 100 kg on earth, how much would he weigh on the moon?
- 6) What is the sum of $130+125+10$?
- 7) If a man weighs 100 kg on earth, how much would he weigh on the moon?
- 8) A dog weights 10 kg on earth, how much would it weigh on Jupiter?
- 9) If we minus 500 from 1500, how much do we get?
- 10) 60 Times 8 is equals to



- 11) How Many Months Have 30 Days?
- 12) What Number Comes Before 9019?
- 13) Solve: $24 \div 8 + 2$.
- 14) What is the next prime number after 5?
- 15) Is -10 a whole number? True or false?
- 16) The smallest 4-digit number is:
- 17) The square of 8 is equal to:
- 18) Cube of 5 is equal to
- 19) What is the missing number in $93 - \underline{\quad} = 68$.
- 20) Which shape has five sides?



21) A square has all its angles equal to?

22) 52 divided by 4 equals what?

23) Which is equal to $9,000 + 900 + 9$?

24) Complete the sequence 88, ____, 66, 55

25) Jack has 180 marbles. He gives 115 marbles to his sister. How many marbles does Jack has left?