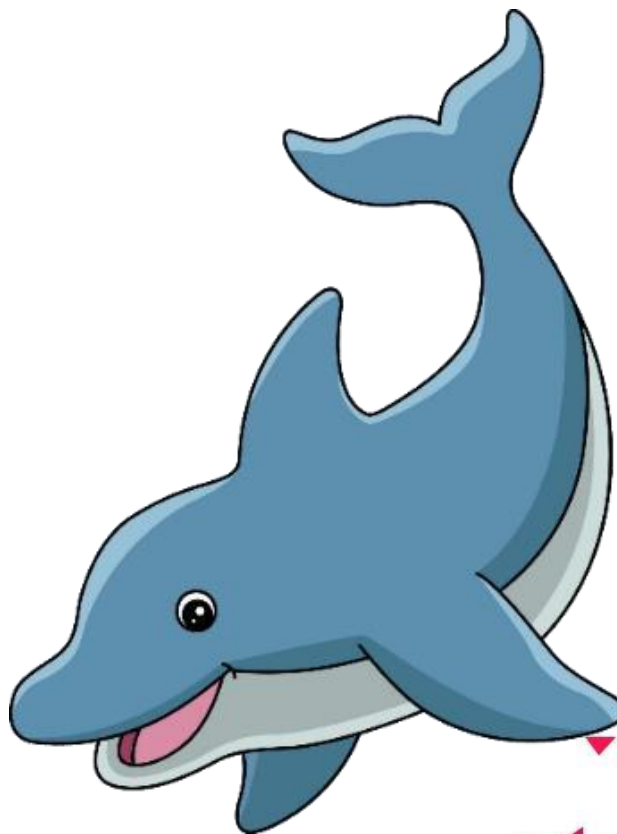


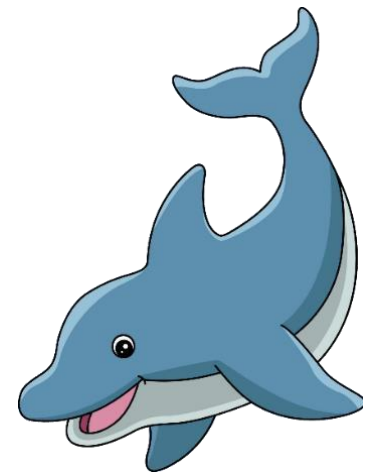


MATH OLYMPIAD

Past Contest Papers 01

Dolphins Category
(Ages: 6 yr to 9 yr)





On-paper Assessment Round

Name		Time Allowed	90 minutes
Code #		Total Marks	100

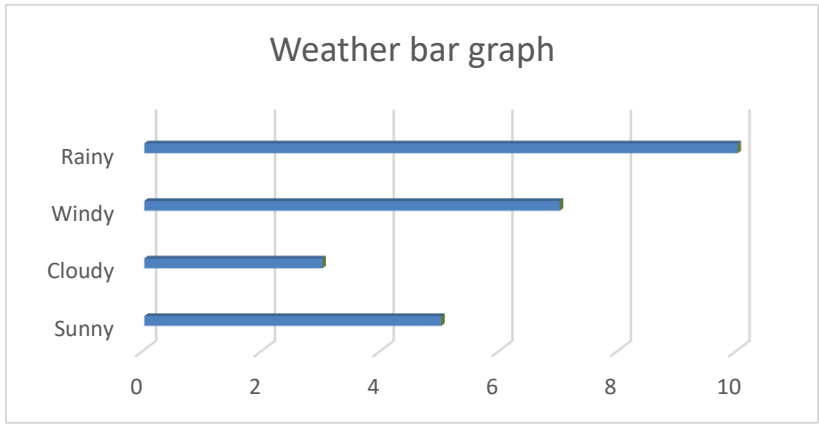
Q.1 Which of these is an even number?

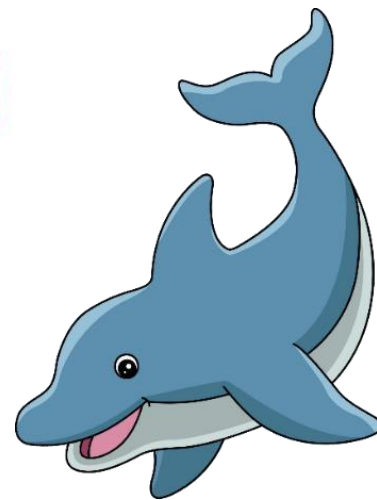
- a. 5
- b. 7
- c. 3
- d. 2

Q.2 Write the time in digits "NOON"

- a. 01 :00
- b. 12 :00
- c. 11 :30
- d. 12: 30

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

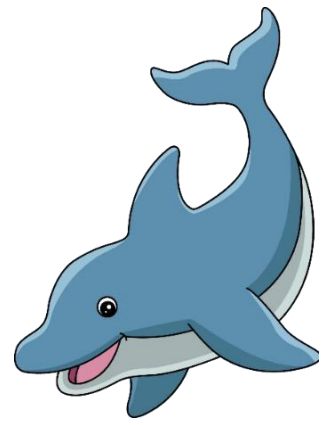
Q.3 (d) How many less windy days were there than rainy days?

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

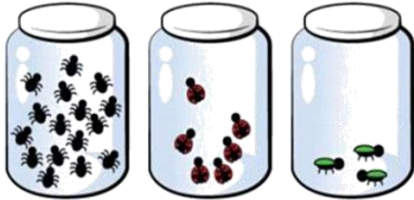
Q.4 Your friend said she had 150 stickers. When you helped her clean her desk, she only had a total of 99 stickers. How many stickers are missing?

- a. 51
- b. 55
- c. 52
- d. 54





Q.5 Yasmeen has three jars of bugs.



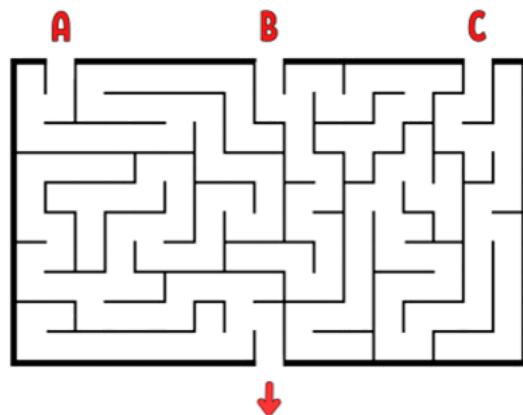
- There are 7 more bugs in the first jar than the second.
- There are 3 less bugs in the third jar than the second.
- There are 40 bugs in total.

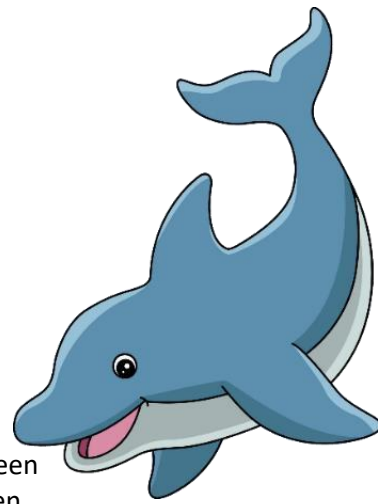
How many bugs are in the first jar?

- a. 19
- b. 20
- c. 21
- d. 18

Q.6 Anna wants to go home. Which way she will should choose.

- a. A
- b. B
- c. C
- d. None of them





Q.7 Write the given number "20" in words.

- a. Twelve
- b. Twenty

- c. Thirteen
- d. Fifteen

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

- a. 42
- b. 48

- c. 43
- d. 41

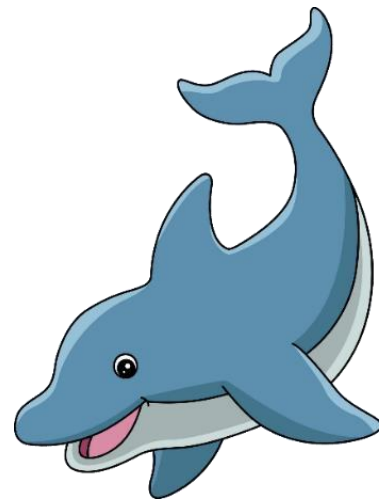
Q.9 You have 50 candies and your friend has 75 candies. How many candies did they have altogether?

- a. 130
- b. 150

- c. 125
- d. 140

Q.10 Solve the following. You can use the given numbers.

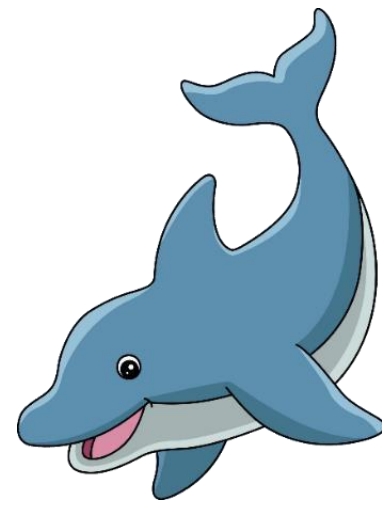
		15		
6			9	
<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>
<input type="text"/>	-	<input type="text"/>	=	<input type="text"/>
<input type="text"/>	-	<input type="text"/>	=	<input type="text"/>



Computer Based Testing (CBT) On-campus

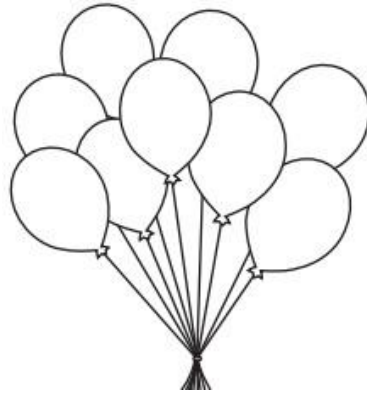
Name		Time Allowed	30 minutes
Code #		Total Marks	100

- The pink tower is taller than the red tower but shorter than the green tower. The silver tower is taller than the green tower. Which tower is the tallest?
 - pink tower
 - green tower
 - red tower
 - silver tower
- What is the next prime number after 5?
 - 6
 - 7
 - 9
 - 11
- The Product of $131 \times 0 \times 300 \times 4$.
 - 0
 - 46
 - 11
 - 45
- Which number is greater than 5432?
 - 5421
 - 5475
 - 5400
 - 5430



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

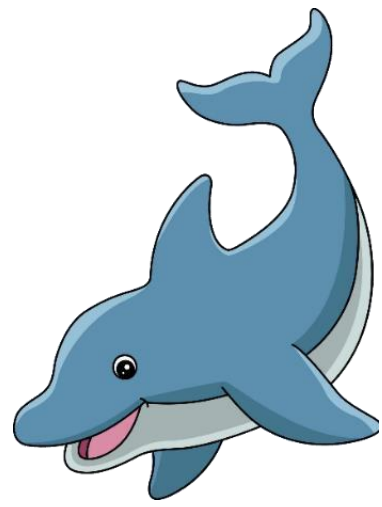
- a. $\frac{2}{3}$
- b. $\frac{5}{9}$
- c. $\frac{1}{2}$
- d. $\frac{1}{3}$



ilm

STEM
FOCUSED SCHOOL

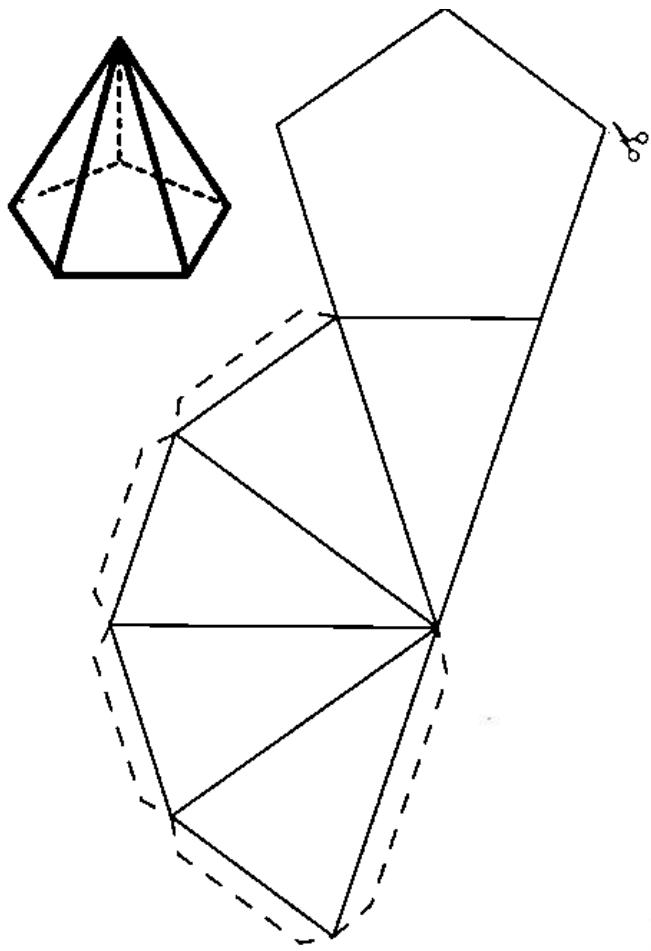




Hands-on Assignment

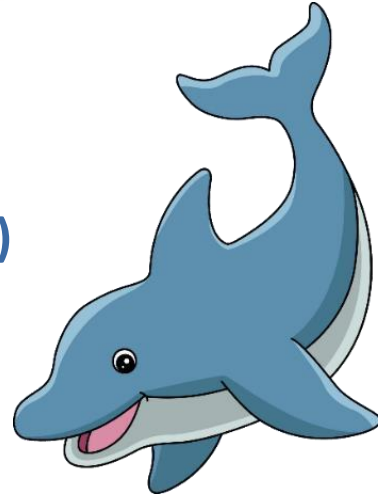
Name		Time Allowed	90 minutes
Code #		Total Marks	

1) Cut and fold the given shape of “pyramid pentagonal “ into 3D as shown in the figure.

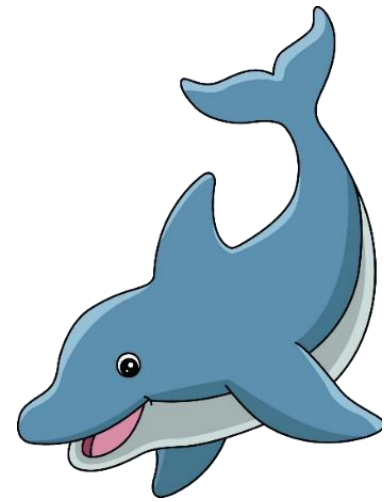




Verbal Timed Quiz Round (Time allowed: 30 sec per problem)



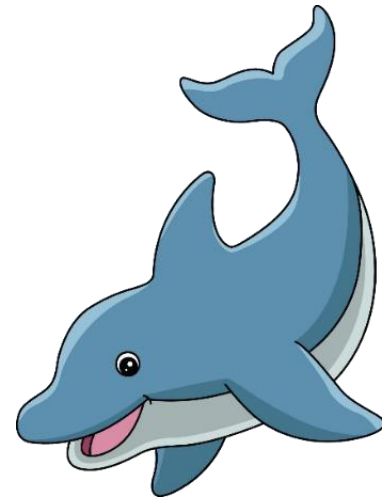
- 1) $12 \div 3$
- 2) $105 - 25$?
- 3) Find the product of 9×9 ?
- 4) Complete the sequence
- 5) 20, 35, _____, 65
- 6) Which is the first prime number?
- 7) If a single month has 30 days, how many days will three months have?
- 8) 25×5
- 9) How many minutes are there in 5 hours?
- 10) What are 8 times 3?



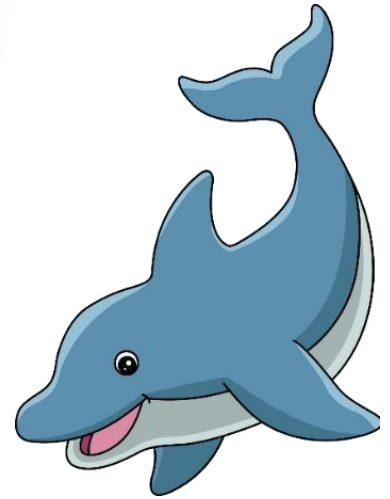
- 11) Which unit is used to measure heights?
- 12) Find the product of 19×3
- 13) Complete the sequence 10, 14, 18, _____, 26
- 14) $23 + 23$ _____
- 15) $135 - 20$ _____
- 16) If you are a born of 1997, how old are you today?
- 17) A year has 12 months, how many months do 6 years have?
- 18) $99 - 19$
- 19) Which device is mainly used for calculations?
- 20) How many sides an Octagon has?



Buzzer Round (Verbal)



- 1) Is cuboid a two-dimensional shape or three-dimensional shape?
- 2) $100 - 44$
- 3) How many total corners do five pentagons have?
- 4) 45×3 ?
- 5) A cylinder is a two-dimensional shape or three-dimensional shape?
- 6) What are 6 times 12?
- 7) How many circles does a cone have?
- 8) The largest 3 digit number is?
- 9) What is 7×5 ?
- 10) $8 \times 6 =$



11) $50 \div 2$

12) Arrange the value in descending order: 2, 1, 4, 3,

13) Arrange the value in ascending order: 7, 10, 8, 9

14) $6 + 6 - 7 =$

15) 6×6

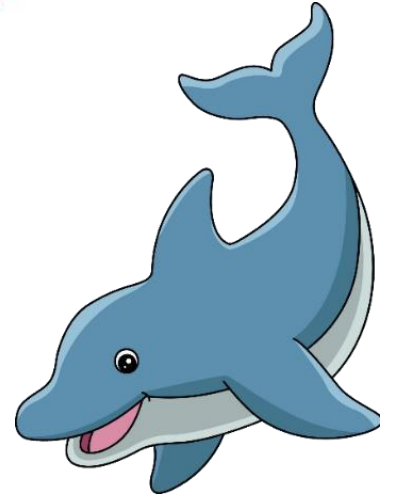
16) What comes before 99?

17) Complete the sequence: 8, 10, ____, 14, 16

18) What comes after 69?

19) $11 + 11 - 11 = ?$

20) How many minutes are there in 2 hours?



- 21) The smallest even number is
- 22) $1200 \div 40$
- 23) 21×21
- 24) If a man weighs 100 kg on earth, how much would he weigh on the moon?
- 25) A dog weighs 10 kg on earth, how much would it weigh on Jupiter?