

MATHEMATICS WORKBOOK



For the preparation of National & International Olympiads



- Chapter-wise practice exercises
- Previous year paper

CREST Mathematics Olympiad (CMO)

Mathematics Olympiad

Exams Preparation Book

Grade KG



www.crestolympiads.com



CREST Mathematics Olympiad Workbook for Grade KG

Fifth Edition

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Disclaimer: The information in the Workbook is to give you the path to success but it does not guarantee 100% success as the strategy is completely dependent on its execution. And it is based on previous year papers of CMO exam.

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Contents

1.	Basic Concepts on Comparison	5
2.	Numbers	.29
3.	Playing with Numbers	.56
4.	Shapes	.59
5.	Time and Calendar	.66
6.	Previous Year Paper	.76
7.	Answer Key	.79

Preface

We are pleased to launch a thoroughly revised edition of this workbook. We welcome feedback from students, teachers, educators and parents. For improvements in the next edition, please send your suggestions at info@crestolympiads.com. Our team will make an effort to work on those suggestions.

CREST Olympiads is one of the largest Olympiad Exams with students from more than 60 countries. The objective of these exams is to build a competitive spirit while evaluating students on conceptual understanding of the concepts.

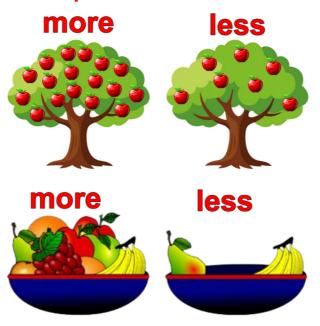
We strive to provide a superior learning experience, and this workbook is designed to complement the school studies and prepare the students for various competitive exams including the CREST Olympiads. This workbook provides a crisp summary of the topics followed by the practice questions. These questions encourage the students to think analytically, to be creative and to come up with solutions of their own. There is a previous year's paper given at the end of this workbook for the students to attempt after completing the syllabus. This paper should be attempted in 45 minutes to get an assessment of the student's preparation for the final exam.

Publishers



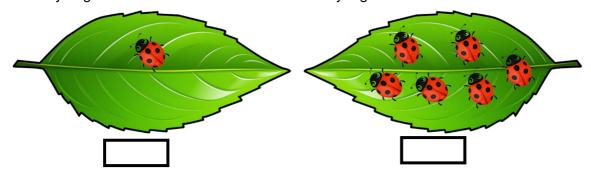
Basic Concepts on Comparison

Basic Concepts on Comparison

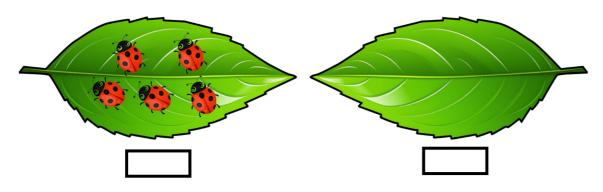


When we use the word more, it means the number of objects is bigger or greater. When we use the word less, it means the number of objects is smaller or fewer.

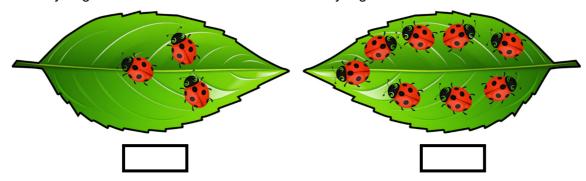
Count the lady bugs and tick the leaf which has more ladybugs:



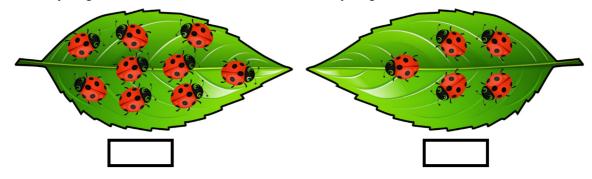
Count the lady bugs and tick the leaf which has fewer lady bugs?



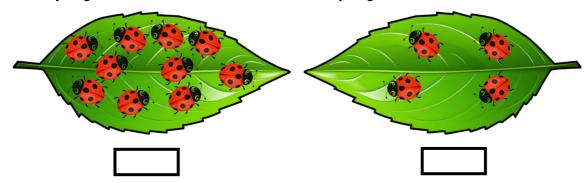
Count the lady bugs and tick the leaf which has more ladybugs?



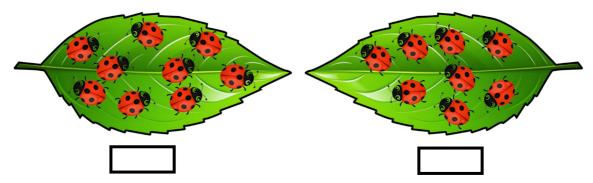
Count the lady bugs and tick the leaf which has fewer lady bugs?



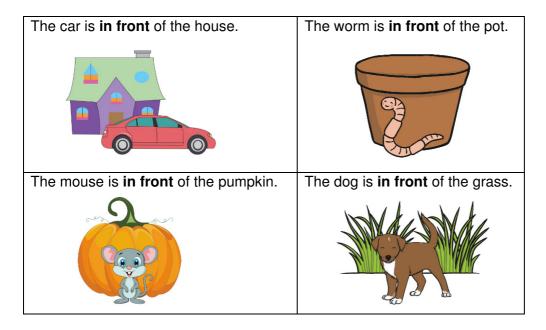
Count the lady bugs and tick the leaf which has fewer lady bugs?



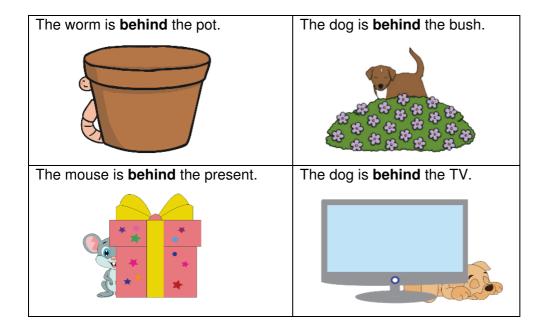
Count the lady bugs and tick the leaf which has fewer lady bugs?



In Front and Behind In Front



Behind



Choose the correct answer:

1. The cow is in front of / behind the fence.



2. The goat is in front of / behind the bushes.



3. The mouse is **in front of** / **behind** the tree.



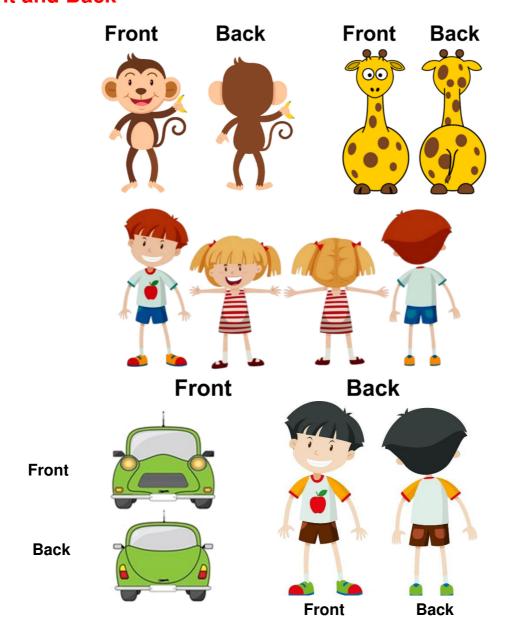
4. The tree is in front of / behind the wall.



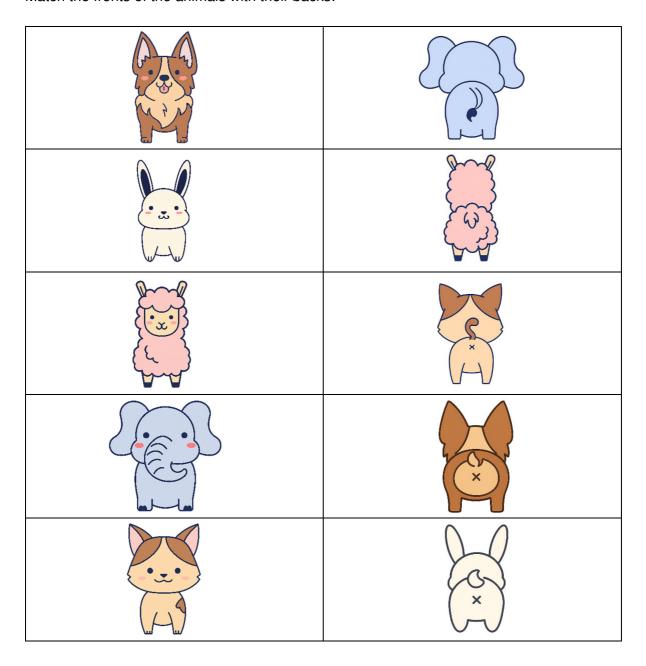
5. The bottle is in front of / behind the bag.



Front and Back



Match the fronts of the animals with their backs:



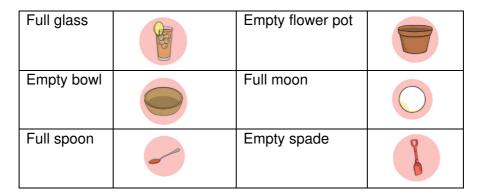
Empty and Full

When a container does not contain anything it is called empty. A container holding as much as possible and has no more space to hold any more is said to be full.



Activity

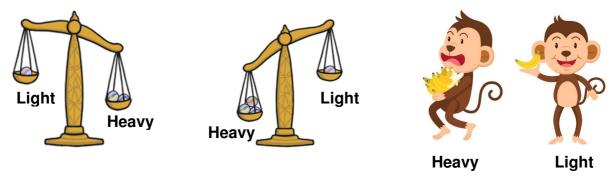
Look at the picture given below and draw circles around the following objects:





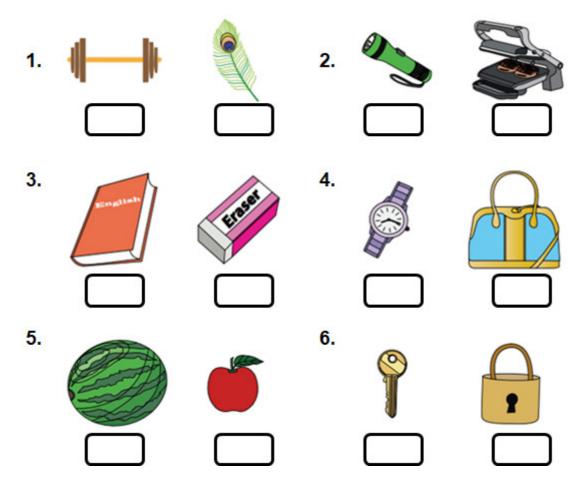
Heavy and Light

When we compare the weight of two objects, the one with more weight is said to be heavy and the one with less weight is said to be light.

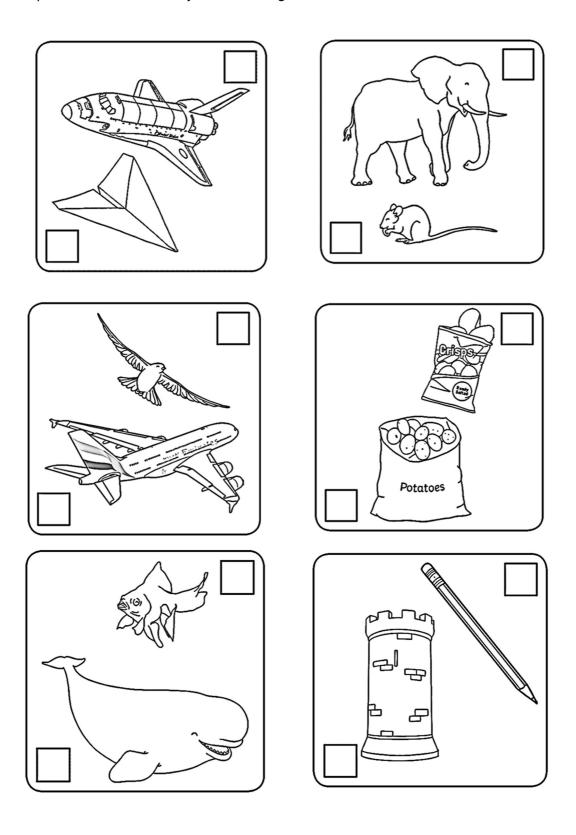


Activity

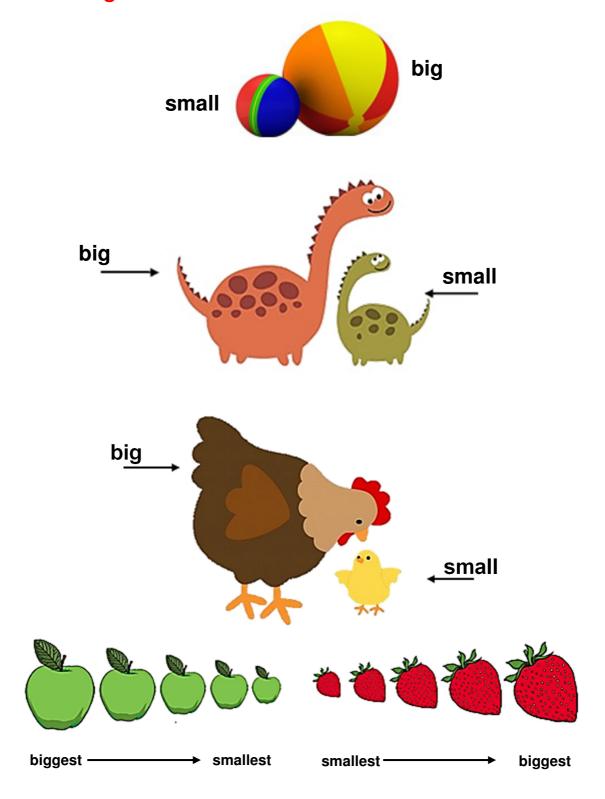
Select the heavier object:



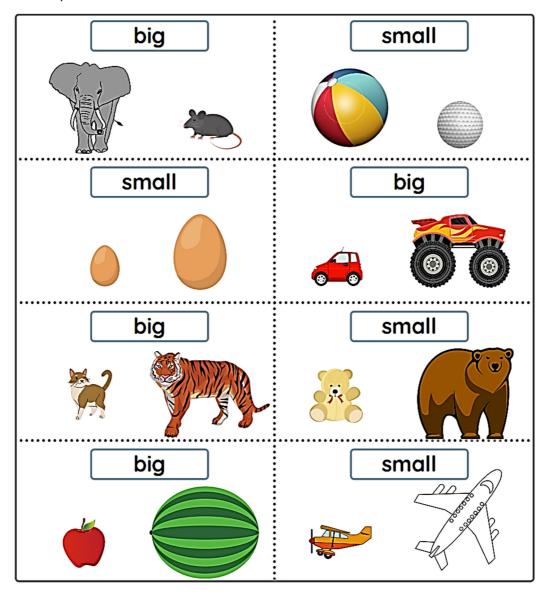
Colour the pictures and tick the object which is lighter:



Small and Big

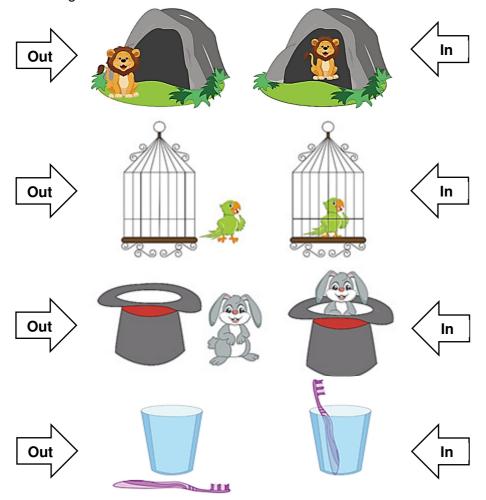


Circle the correct picture:



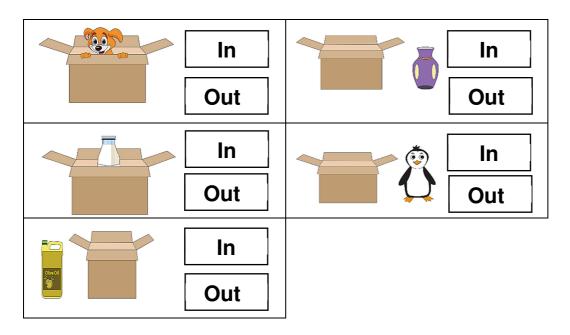
In and Out

"In" signifies the object's position inside something, and "out" represents the object's position being outside something.



Activity

Choose the correct option:

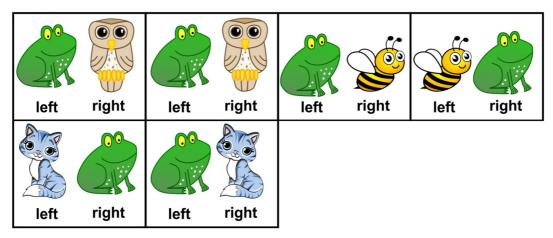


Right and Left



Choose the correct answer:

Where is the frog, left or right?



Activity

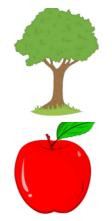
1. Draw a star to the right of the house.



2. Draw a line to the left of the tiger.



3. Draw a star to the left of the tree.



4. Draw a triangle to the right of the apple.

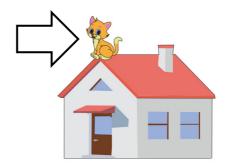
Write the names of the farm animals on the left and the safari animals on the right:



Left	Right

Top and Bottom

1. The cat is on top of the house.



2. The child is at the bottom of the slide.



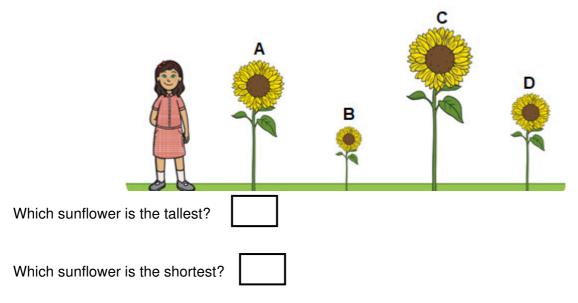
Look at the cards and choose whether the butterfly is at the top or bottom.

1.		•	top	2.	•	top
		•	bottom		•	bottom
3.	WATER	•	top	4.	•	top
		•	bottom		•	bottom
5.		•	top	6.	•	top
		•	bottom		•	bottom
7.	E E E E E E E E E E E E E E E E E E E	•	top	8.	•	top
		•	bottom		•	bottom

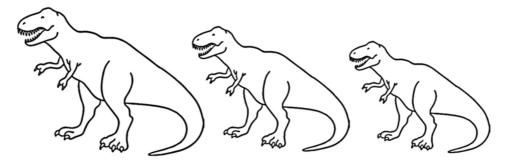
Tall and Short

Tall signifies greater height from end to end, while short represents smaller distance or height from end to end.

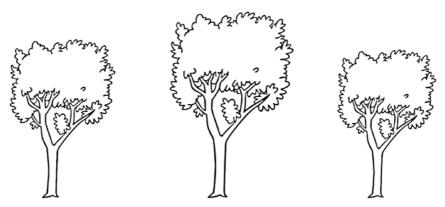




Colour the tallest dinosaur:



Colour the tallest tree:



Colour the shortest fairy:



1. Which is taller?



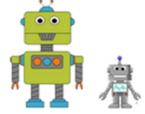
2. Which is shorter?



3. Which is taller?



4. Which is shorter?



5. Which is shorter?



6. Which is taller?





Can you find these pictures?





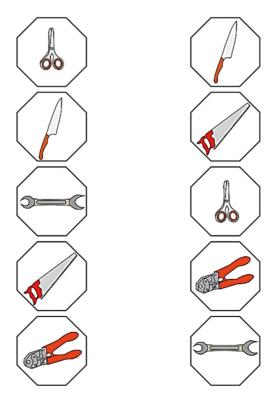




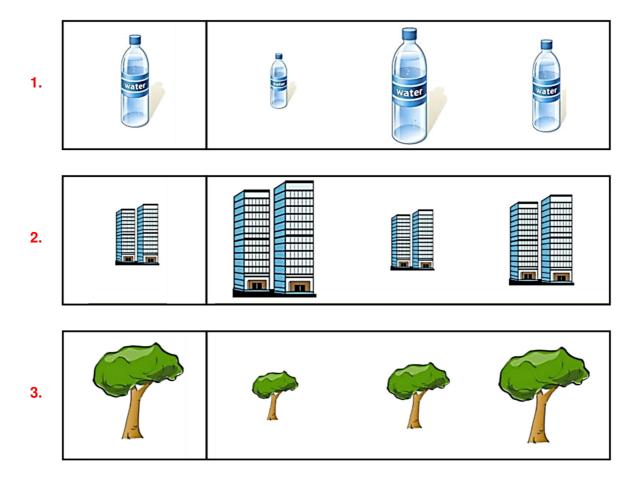


Same and Different

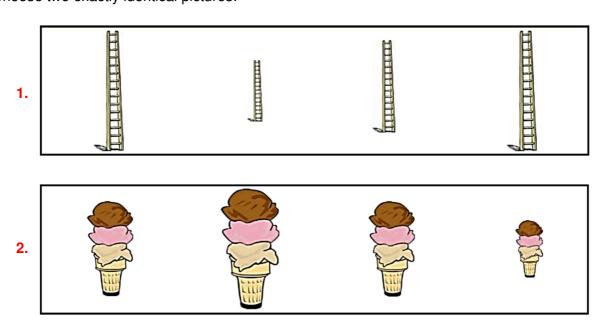
Match the same pictures:



Choose the picture which is exactly the same as the one given on the left:

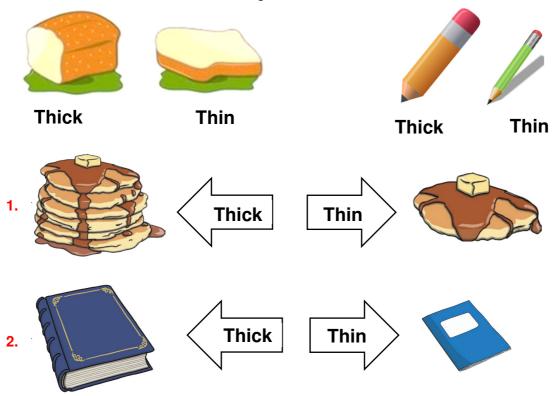


Choose two exactly identical pictures:



Thick and Thin

There are two slices of bread in the figure. The one on the left is the thick one and that on the right is the thin one. The thick bread has more height and width and hence it is said to be thick.

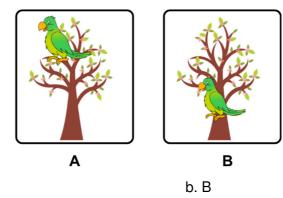


Practice Questions

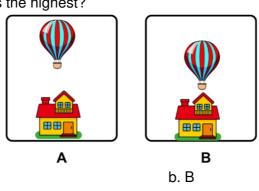
a. A

a. A

1. Which parrot is the lowest?



2. Which hot air balloon is the highest?

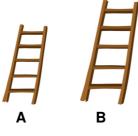


3.	Where is the oval?		
	a. Bottom		b. Top
4.	Where is the octagon?		
	а. Тор		b. Bottom
5.	The tree is on the	······································	
	a. left		b. right
6.	The TV is on the	·	
	a. left		b. right
7.	The cupcake is on the		
	a. left		b. right

Basic Concepts on Comparison 8. The t-shirt is on the _____ a. left b. right 9. The thick loaf is on the _ a. left b. right 10. Which glass is empty? В b. B a. A 11. Which plate is full? a. B 12. The butterfly is in the ___ a. right b. left 13. The rabbit is on _____ of the table.



a. top b. bottom 14. Which is the tallest ladder?



a. A

b. B

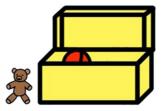
15. The ball is on the _____



a. left

b. right

16. The ball is _____ the box.



a. inside

b. outside

17. The tomato is on the _____





a. left

b. right

18. Which is the shortest giraffe?

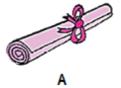


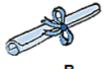


a. A

b. B

19. Which of them is the thinnest?





a. A

b. B

20. The spiderman is at the _____ of the building.



a. right b. left

