

Let's Do

MATHEMATICS

Kindergarten **B**

for learners 3 - 5 years old





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Let's Do Mathematics

Let's Do Mathematics is a series covering levels K-6 and is fully aligned to the United States Common Core State Standards (USCCSS). Each level consists of two books (Book A and Book B) and combines textbook-style presentation of concepts as well as workbook practice.

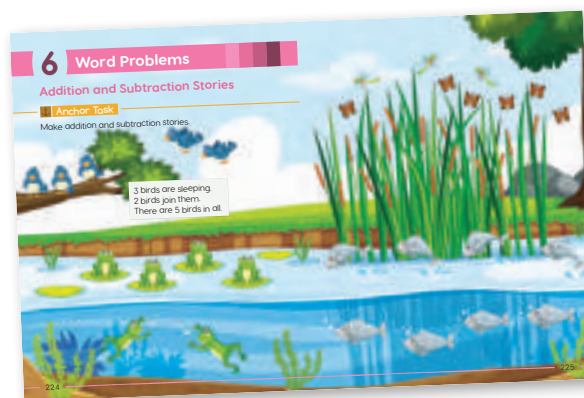
Central to the USCCSS is the promotion of problem-solving skills and reasoning. Let's Do Mathematics achieves this by teaching and presenting concepts through a problem-solving based pedagogy and using the concrete-pictorial-abstract (CPA) approach. Learners acquire knowledge and understanding of concepts through a guided progression beginning with concrete examples and experiences which then flow into pictorial representations and finally mastery at the abstract and symbolic level. This approach ensures that learners develop a fundamental understanding of concepts rather than answering questions by learned procedures and algorithms.

Key features of the series include:



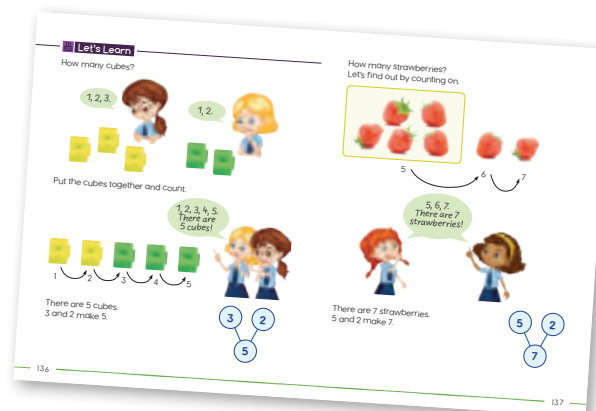
Anchor Task

Open-ended activities serve as the starting point for understanding new concepts. Learners engage in activities and discussions to form concrete experiences before the concept is formalized.



Let's Learn

Concepts are presented in a clear and colorful manner. Worked problems provide learners with guided step-by-step progression through examples. Series mascots provide guidance through helpful comments and observations when new concepts are introduced.



Let's Practice

Learners demonstrate their understanding of concepts through a range of exercises and problems to be completed in a classroom environment. Questions provide a varying degree of guidance and scaffolding as learners progress to mastery of the concepts.

At Home

Further practice designed to be completed without the guidance of a teacher. Exercises and problems in this section follow on from those completed under Let's Practice.

Hands On

Learners are encouraged to 'learn by doing' through the use of group activities and the use of mathematical manipulatives.

Solve It!

Activities that require learners to apply logical reasoning and problem-solving. Problems are often posed which do not have a routine strategy for solving them. Learners are encouraged to think creatively and apply a range of problem-solving heuristics.

Looking Back

Consolidated practice where learners demonstrate their understanding on a range of concepts taught within a unit.



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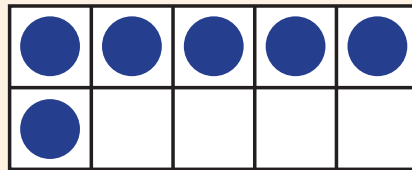
7

Numbers to 20

Counting to 20

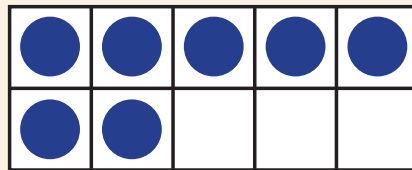


Remember This!



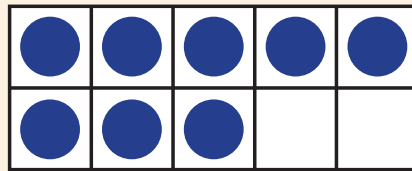
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six



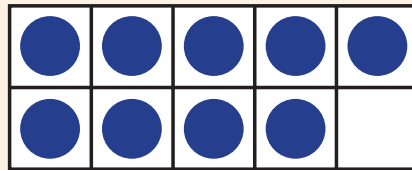
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seven



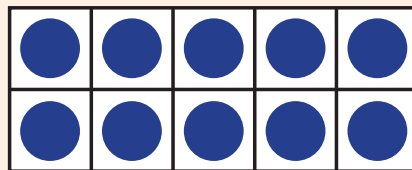
8

eight



9

nine



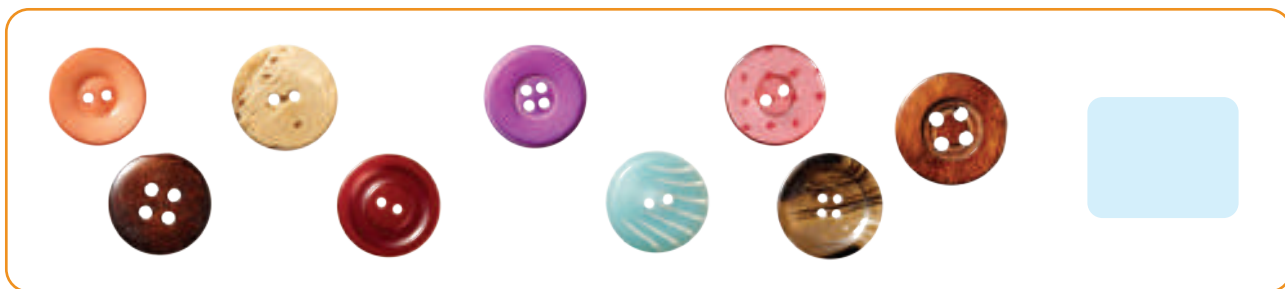
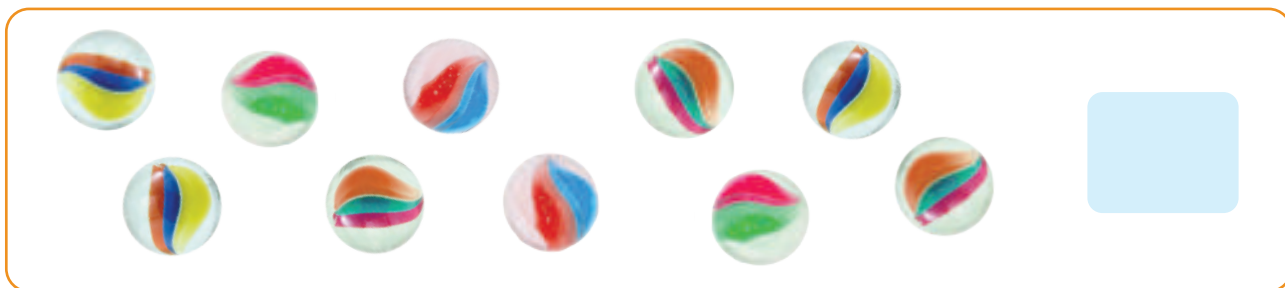
10

ten



Have a Go!

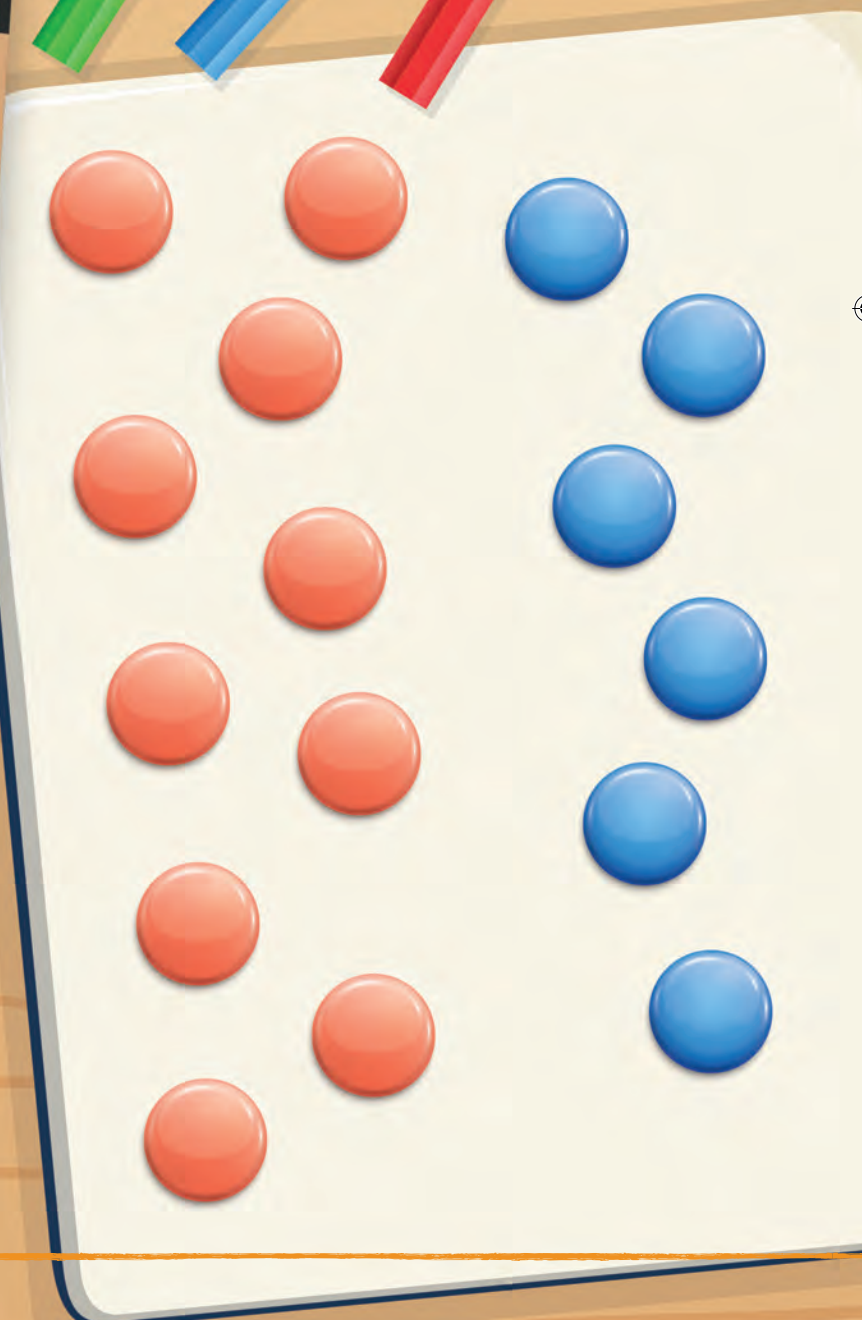
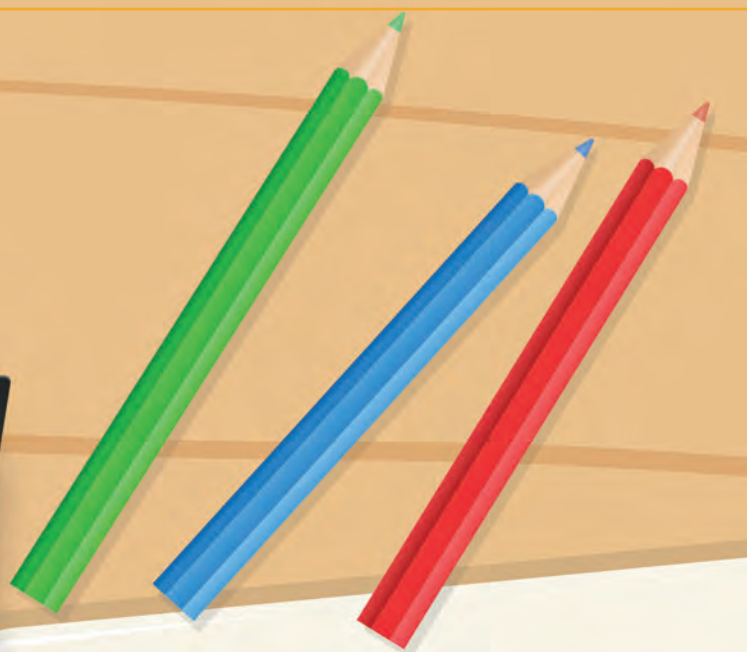
Count and write the number.

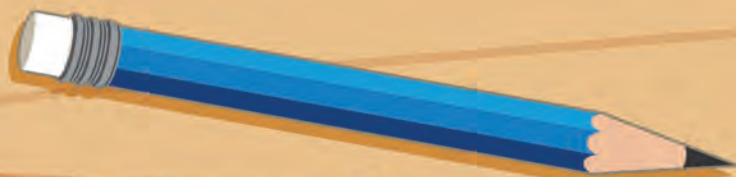




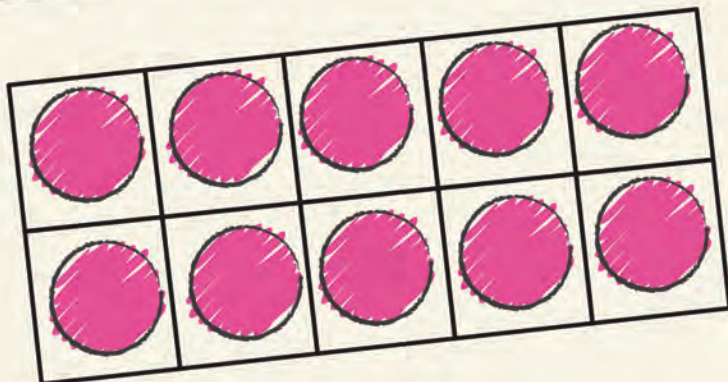
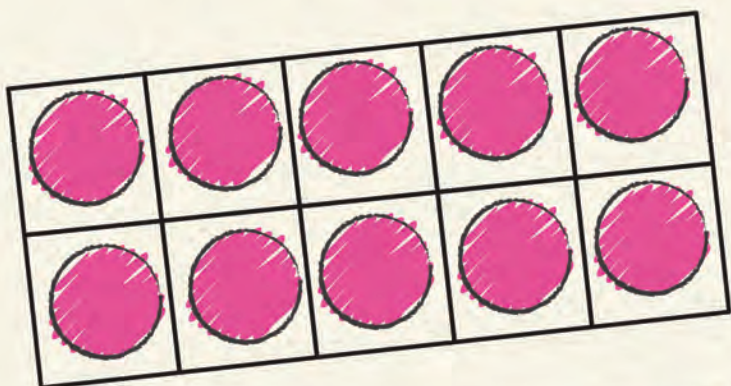
Anchor Task

Let's count.



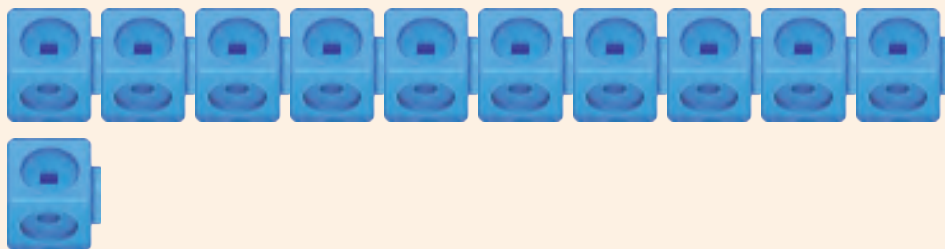


20 twenty

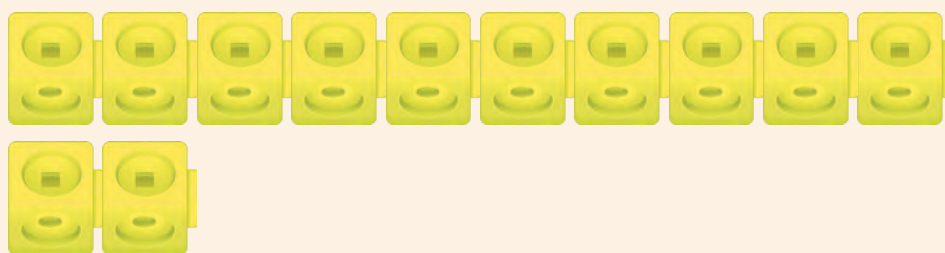




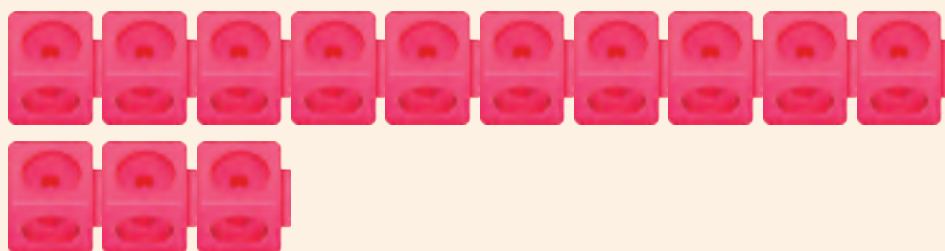
Let's Learn



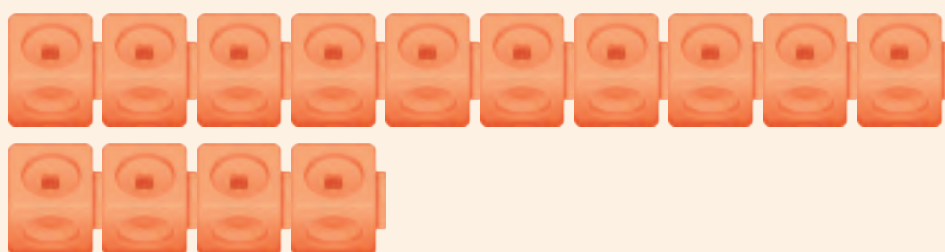
11
eleven



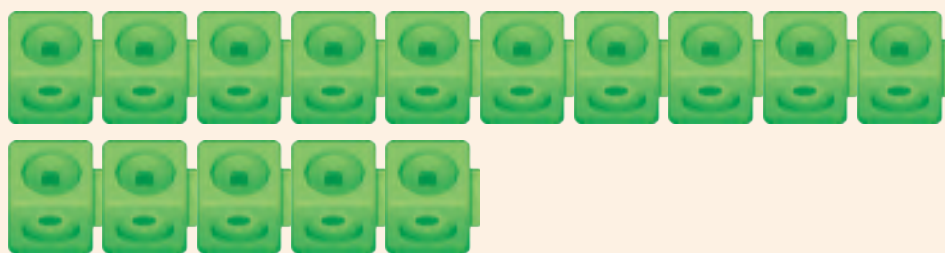
12
twelve



13
thirteen



14
fourteen



15
fifteen



9

Positions

Above and Below



Anchor Task

Describe the positions of the things you see.







Let's Learn

The yellow plane is
above the red plane.



The red plane is
below the yellow
plane.

The red plane is
above the blue plane.

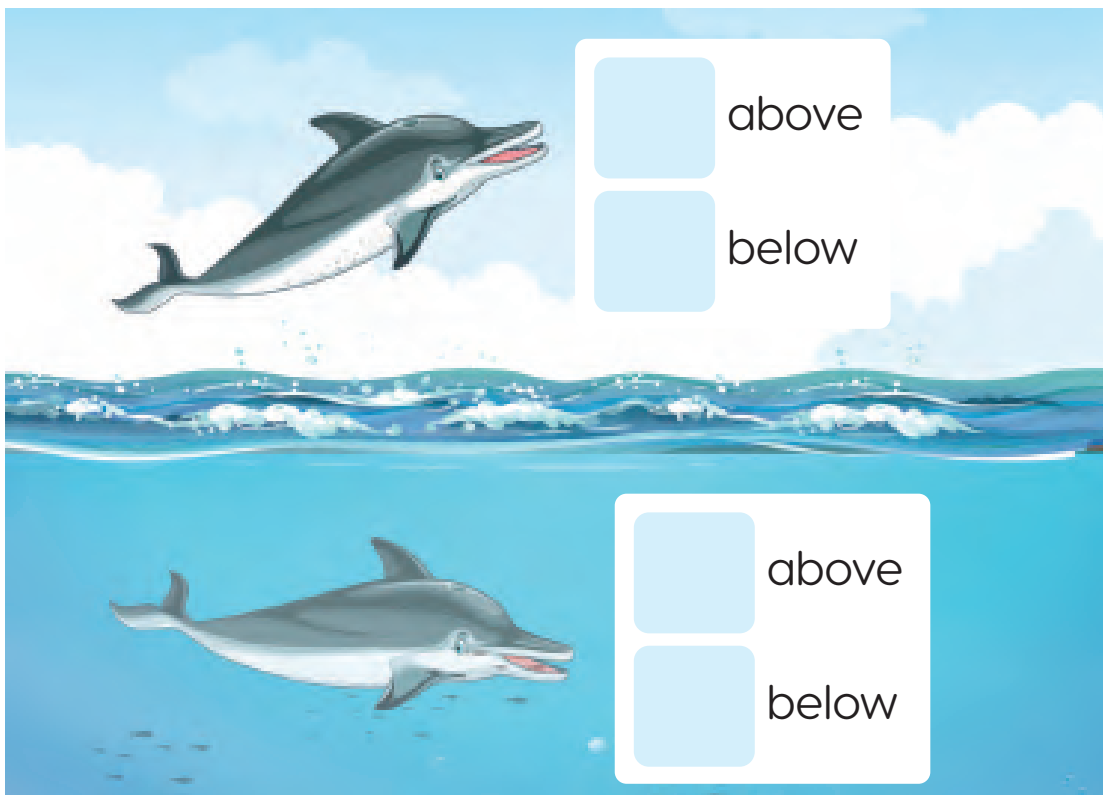
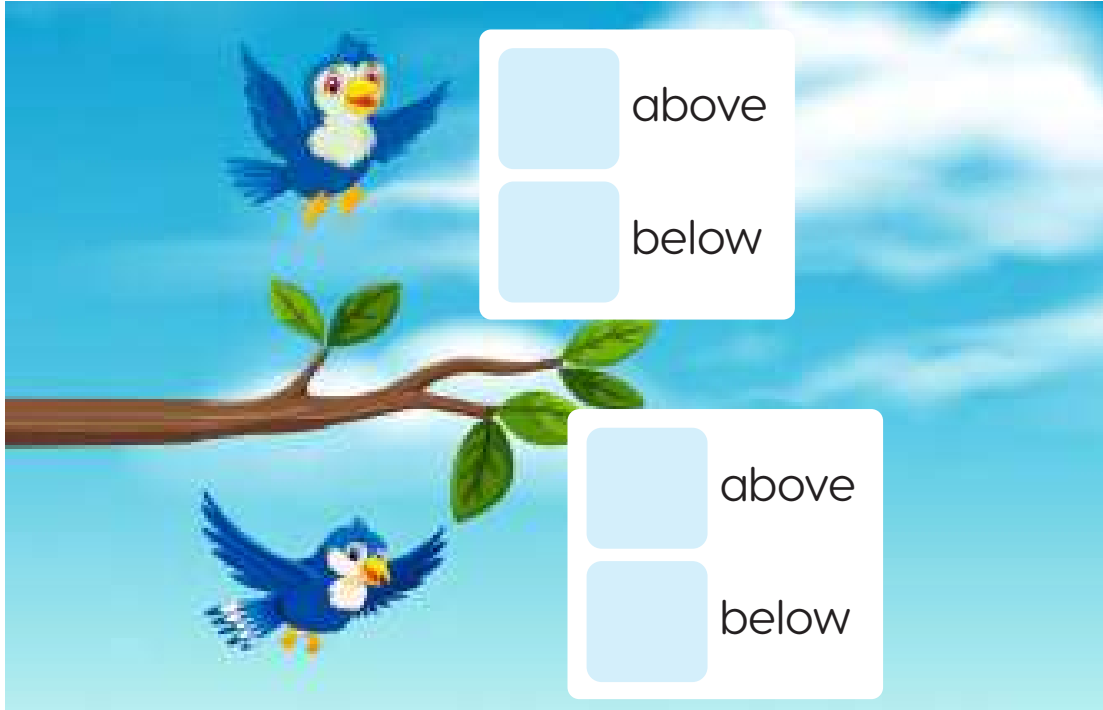
The blue plane is
below the red plane.






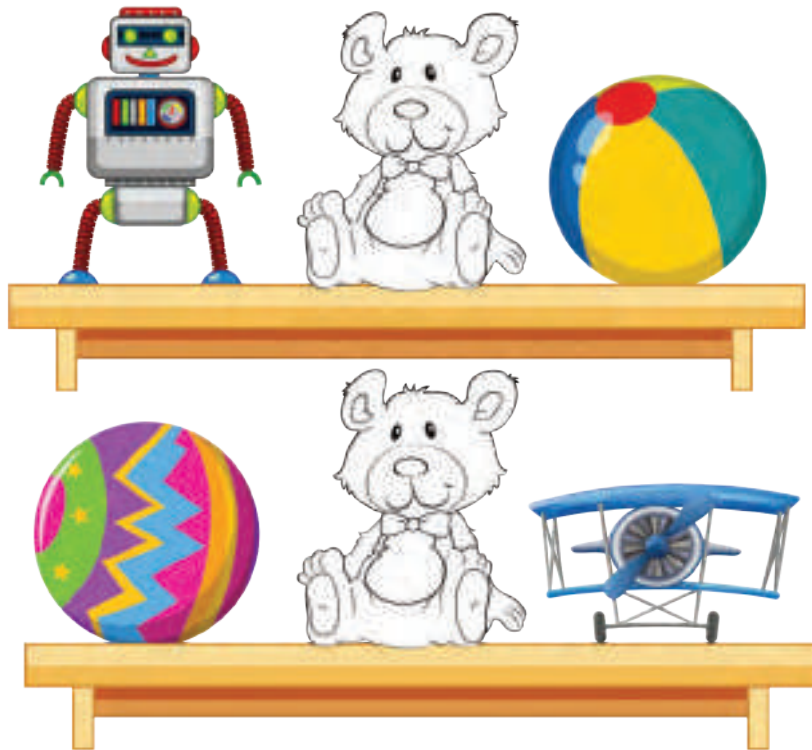
Let's Practice


1. Check. 





2. Color the toy below **green**.
Color the toy above **red**. 



Color the butterfly above **yellow**.
Color the butterfly below **blue**. 





11

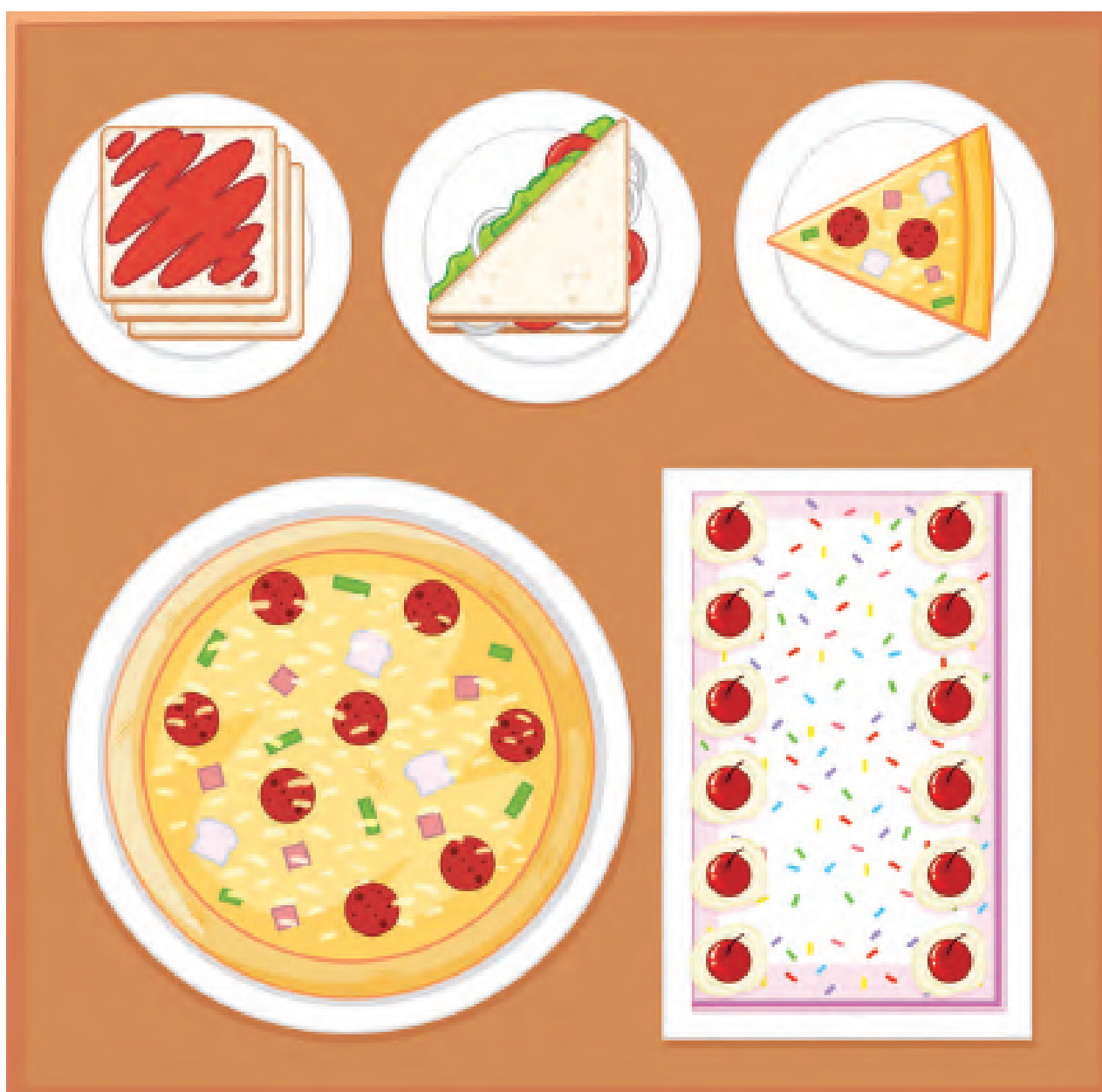
Recognizing Shapes

2D Shapes



Anchor Task

Work in pairs.
What shapes can you see?





Let's Learn

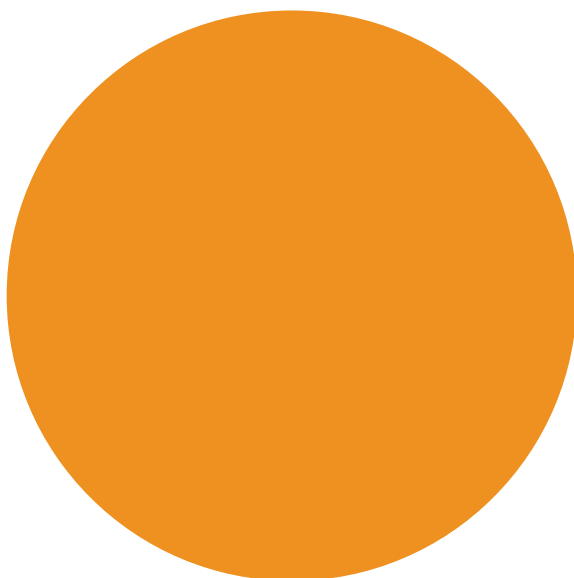
Point and say.



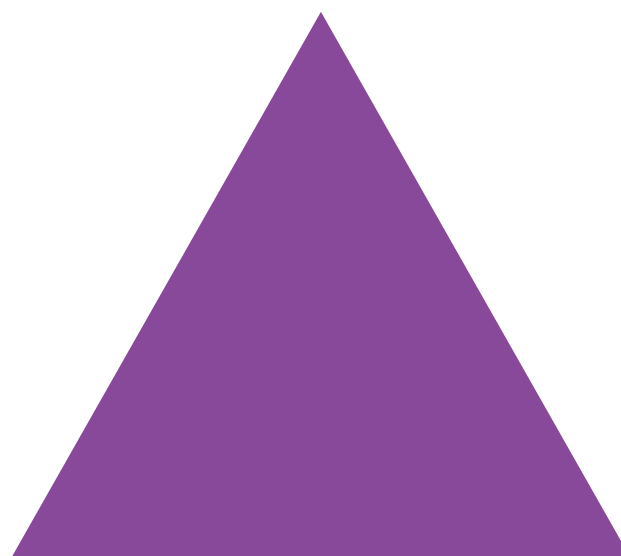
square



rectangle



circle

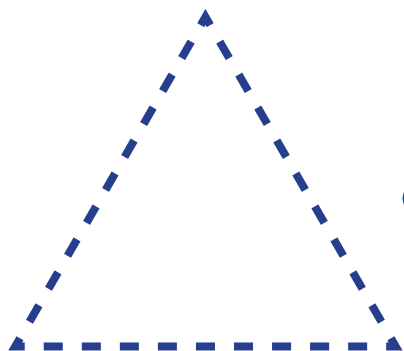
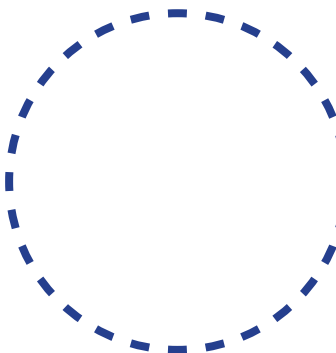
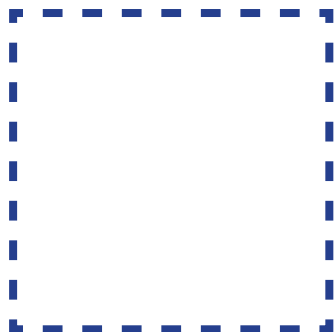


triangle



Let's Practice

1. Trace the shapes. 
Match.



• rectangle

• triangle

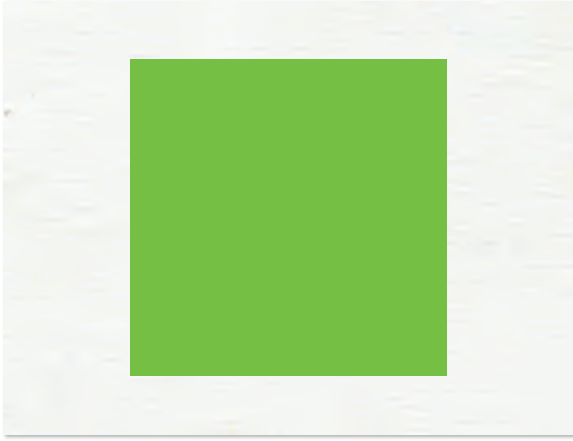
• square

• circle





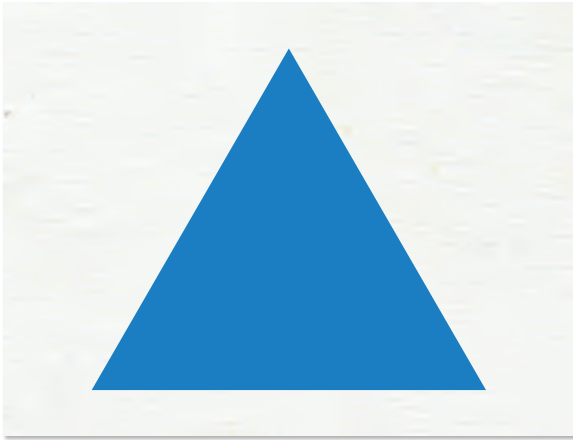
2. Name the shapes.



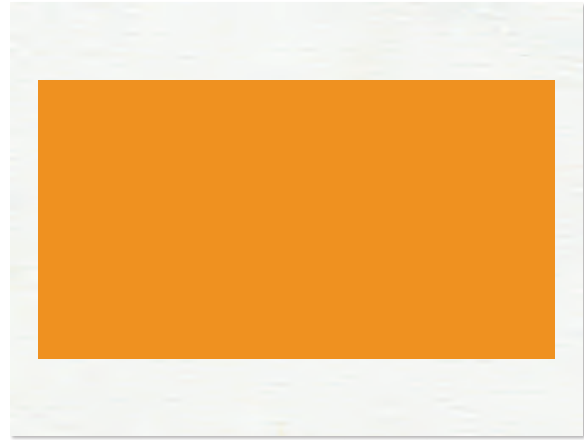
S



C



+



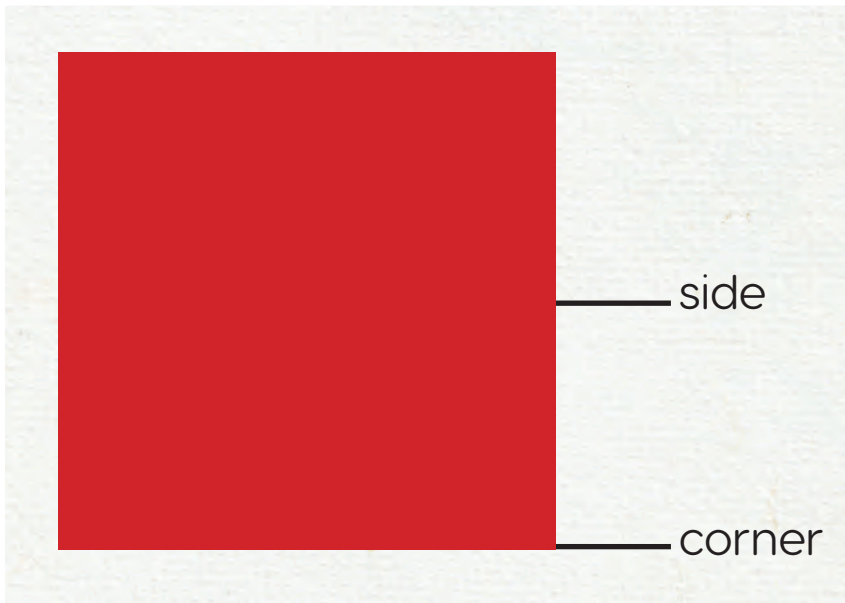
r





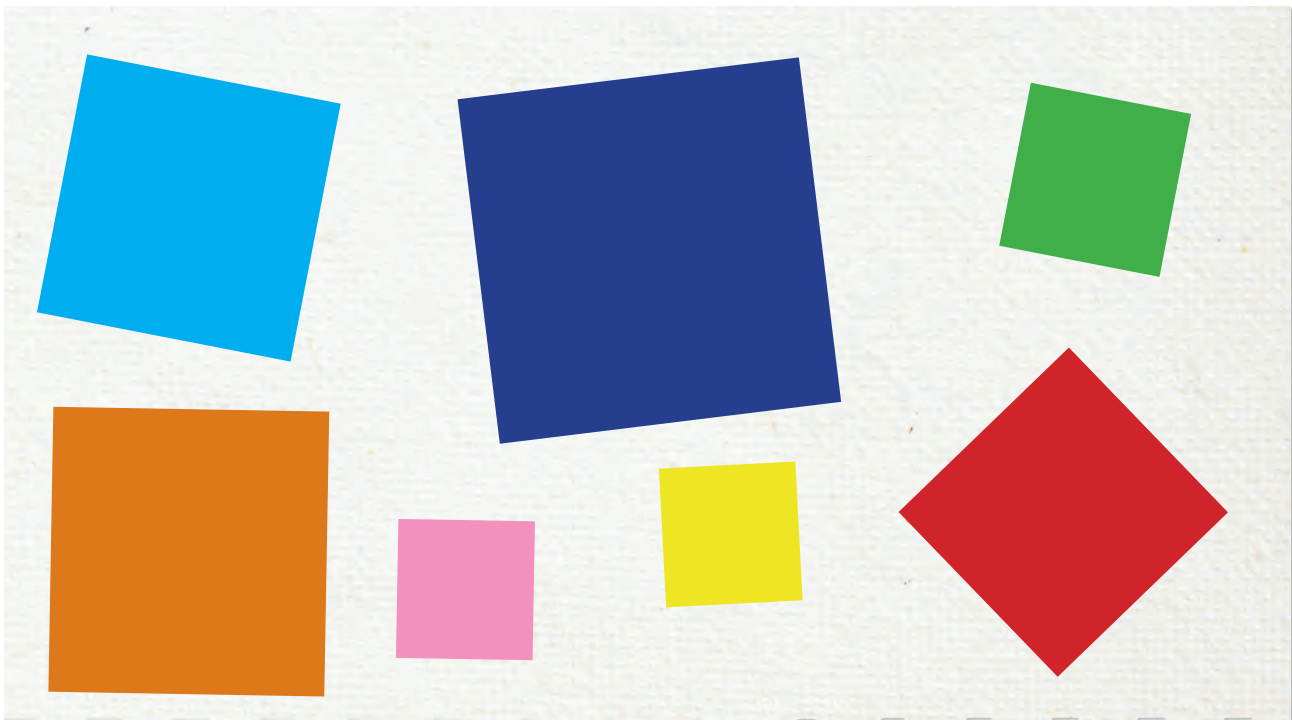
Let's Learn

This is a **square**.



A square has 4 equal sides and 4 corners.

These are squares.



12

Classification



Anchor Task





Alike and Different




Let's Learn

We can sort things into groups.

Let's circle the things that are alike.



Let's circle the thing that is different.





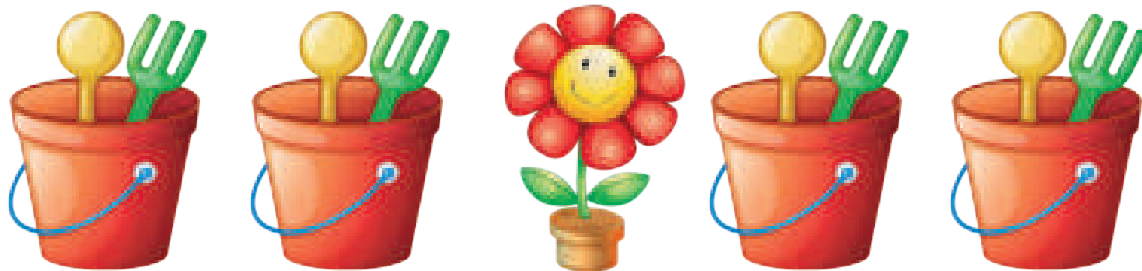
Let's Practice

1. Circle the thing that is different. 





2. Circle the thing that is different. 





At Home

Circle 2 things that are alike. 



Sorting by Size

Let's Learn

We can sort things by size.



Big balloons



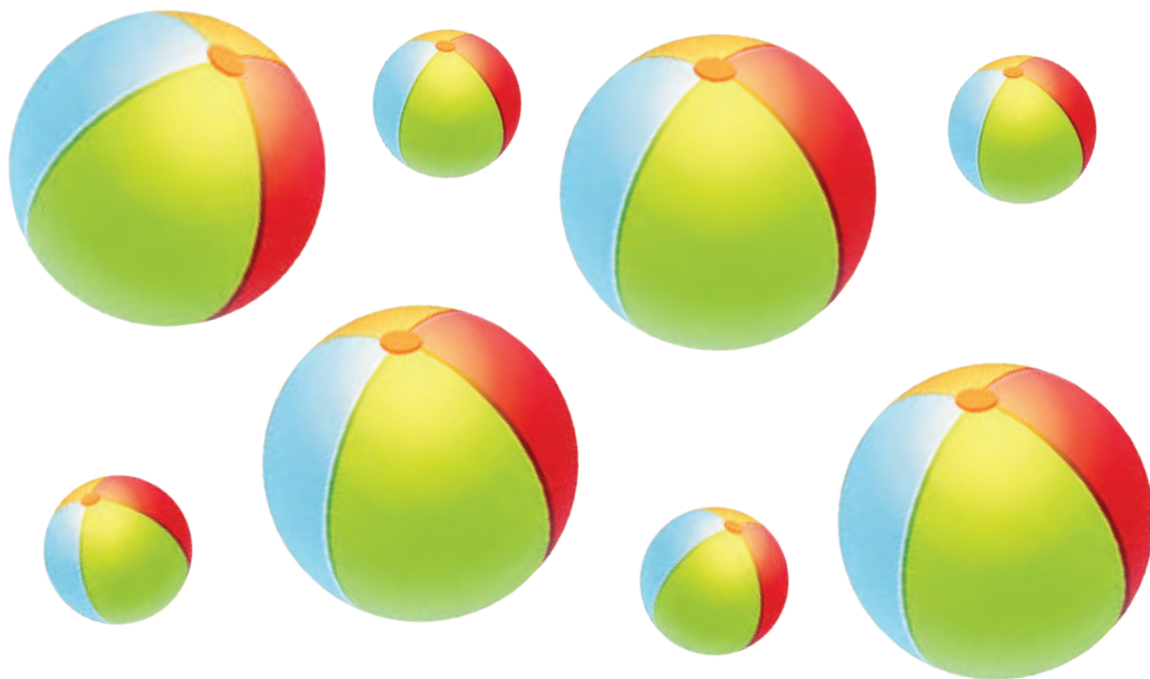
Small balloons





Let's Practice

1. Circle the big objects. 
Cross out the small objects. 





2. Color the big shapes **green**. 
Color the small shapes **orange**. 