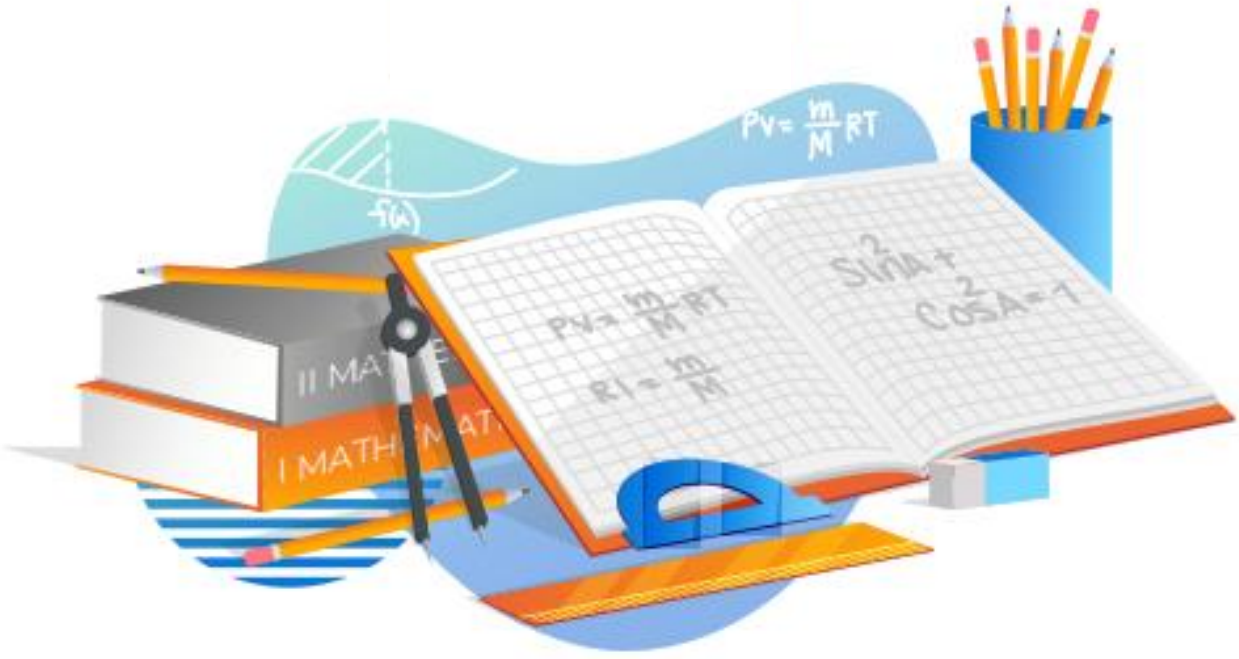
ASPIRE
INTERNATIONAL SCHOOL

# MATHEMATICS
## YEAR 1




Name: _____

Class: _____

# Counting by 2's

1. Count by 2 from 7 to 17

| | | | | | |
|---|---|---|---|---|---|
| | | | | | 17 |

2. Count by 2 from 9 to 19

| | | | | | |
|---|---|---|---|---|---|
| | | 13 | | | |

3. Count by 2 from 1 to 11

| | | | | | |
|---|---|---|---|---|---|
| | 3 | | | | |

4. Count by 2 from 4 to 14

| | | | | | |
|---|---|---|---|---|---|
| | | | 10 | | |

5. Count by 2 from 2 to 12

| | | | | | |
|---|---|---|---|---|---|
| | | | 8 | | |

6. Count by 2 from 8 to 18

| | | | | | |
|---|---|---|---|---|---|
| | 10 | | | | |

7. Count by 2 from 3 to 13

| | | | | | |
|---|---|---|---|---|---|
| | | 7 | | | |

8. Count by 2 from 6 to 16

| | | | | | |
|---|---|---|---|---|---|
| | 8 | | | | |

9. Count by 2 from 5 to 15

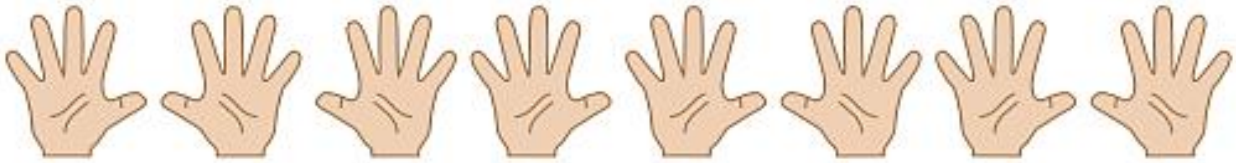
| | | | | | |
|---|---|---|---|---|---|
| | | | | 13 | |

10. Count by 2 from 10 to 20

| | | | | | |
|---|---|---|---|---|---|
| 10 | | | | | |

# Skip Counting by 5s

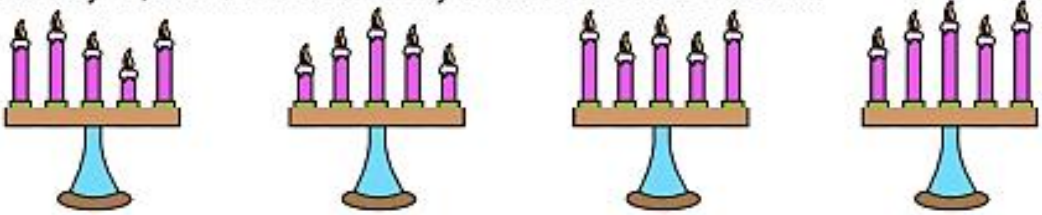
1) Count by 5s, and write how many fingers are there altogether.



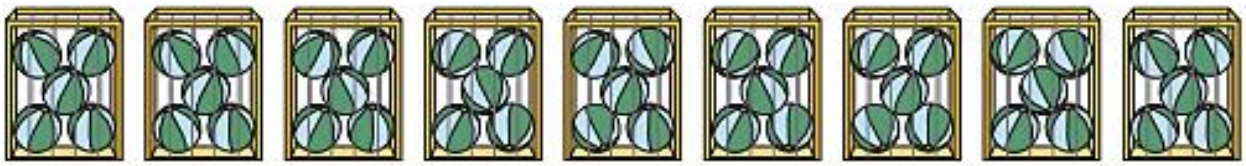
5 10 15 20 25 30 35 40

2) Count by 5s, and write how many eggs are there in all.

3) Count by 5s, and write how many candles are there in total.



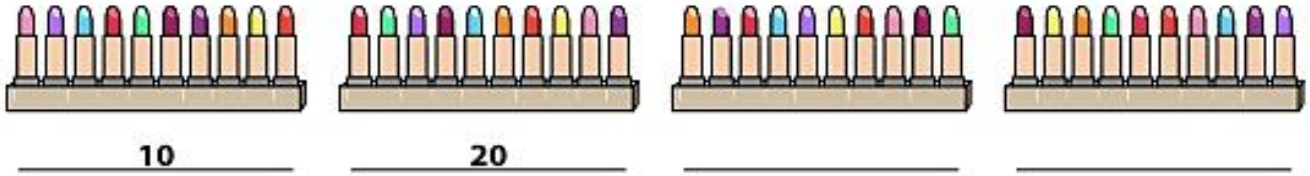
4) Count by 5s, and write how many balls are there in all.



5) Count by 5s, and write how many flowers are there in total.

# Skip Counting by 10s

1) Count by 10s, and write how many tubes of lipstick are there in all.



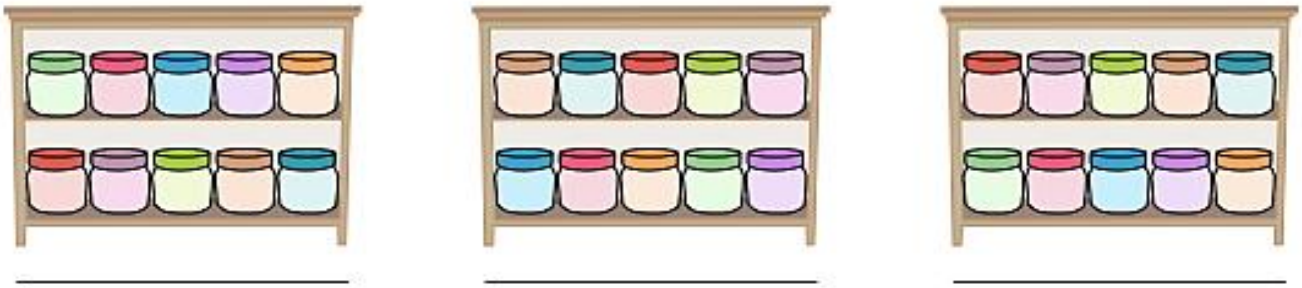
10 | 20 | _____ | _____

_____ | _____ | _____ | _____

2) Count by 10s, and write how many balls are there in total.

_____ | _____ | _____ | _____

3) Count by 10s, and write how many jars are there altogether.

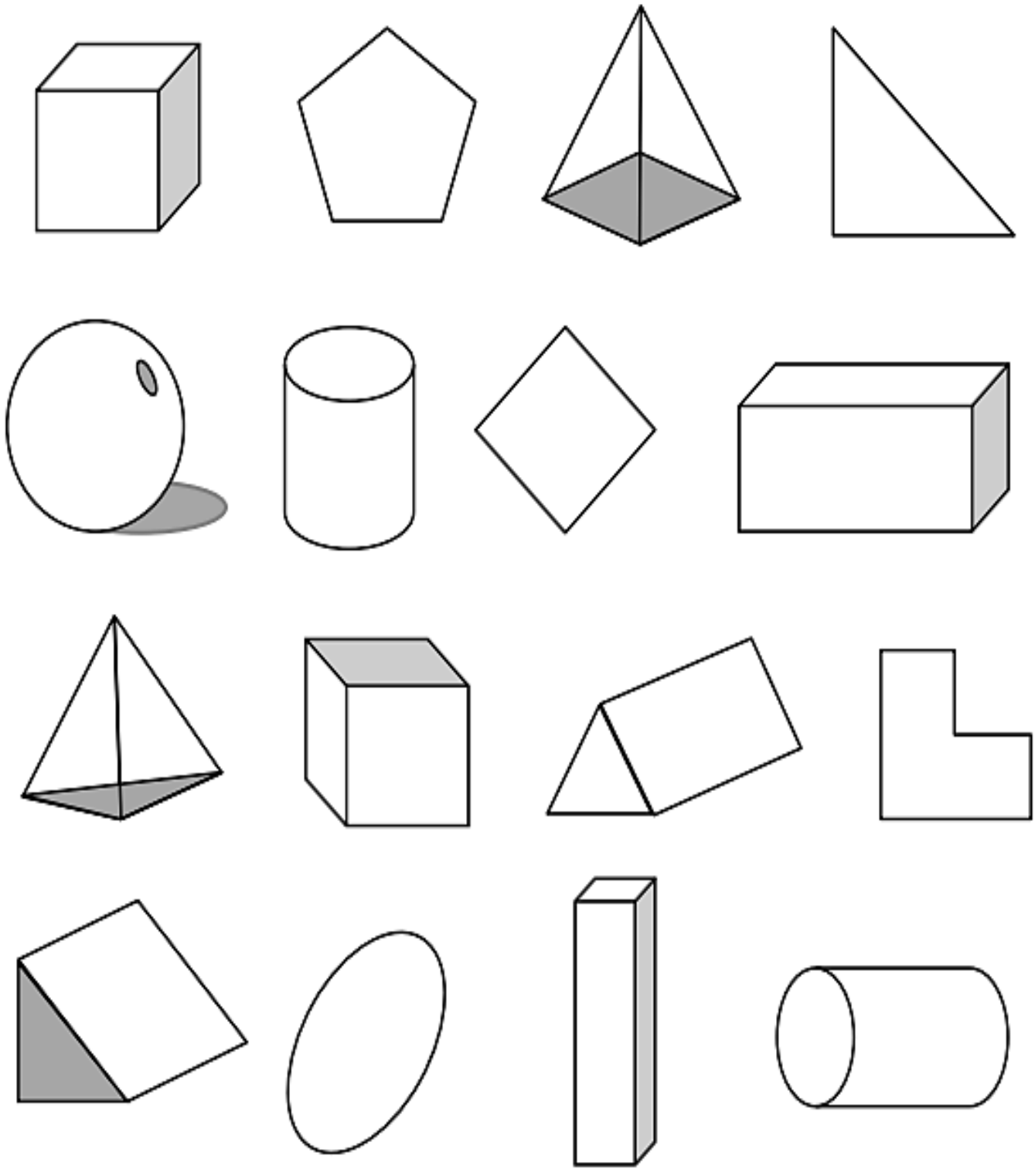


_____ | _____ | _____

_____ | _____

# IDENTIFY 2D & 3D SHAPES

Shade in the 2D shapes yellow and the 3D shapes green.



# 3D Shapes

**1)** *Match.*




Cone Cube Sphere Cylinder

**2)** *Choose the correct answer.*

What **3D shape** is it?

A. cube B. sphere

C. cone D. cylinder

**3)** Which object looks like a **cylinder**?


A.


B.

C.

**4)** David has a ball.

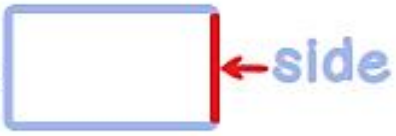
Which **3D shape** is his ball?

A. cylinder B. cube

C. cone D. sphere

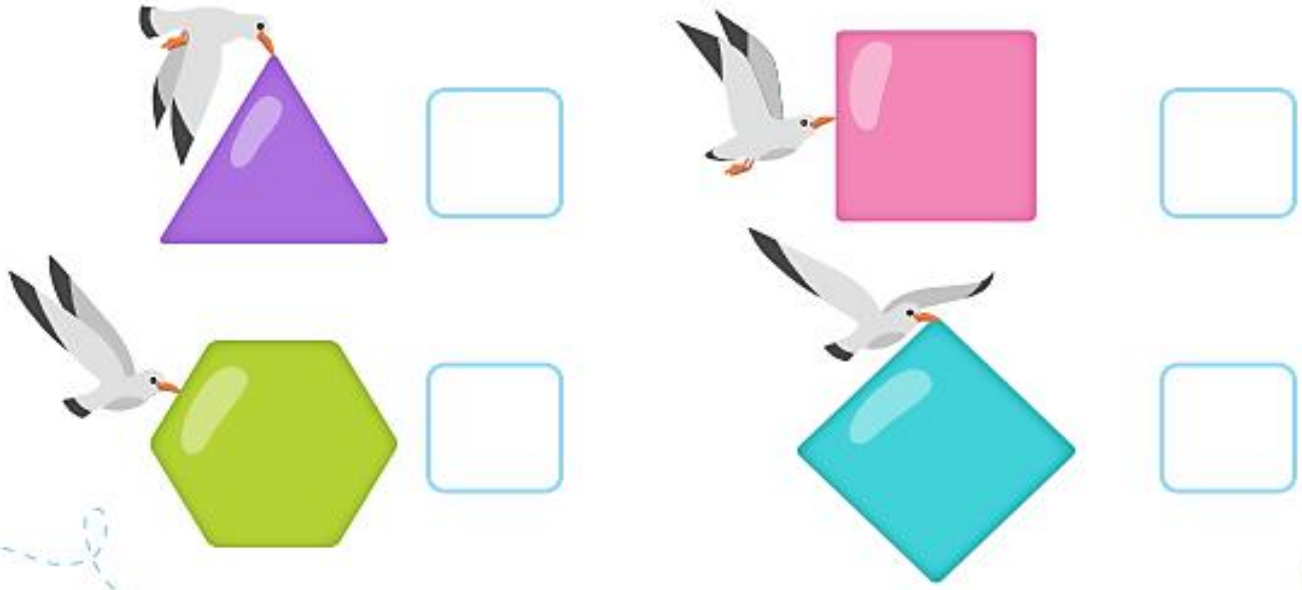
# Sides and Angles

A **side** is a straight line used to form a shape.

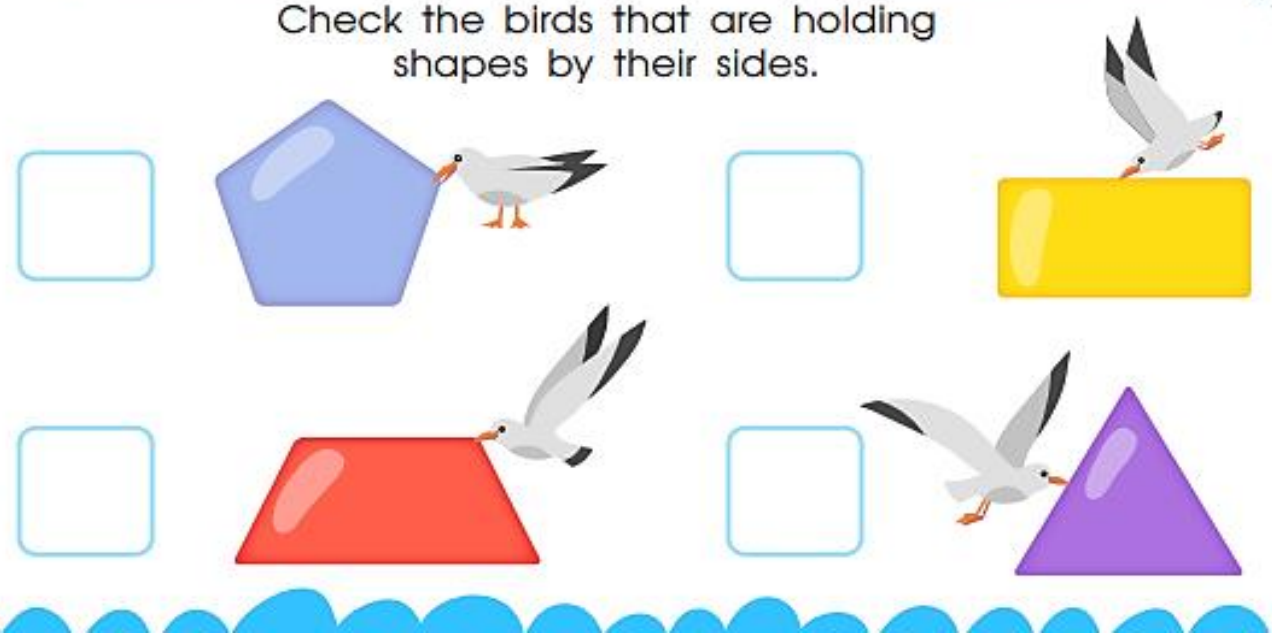



An **angle** is formed when two sides meet.


Check the birds that are holding shapes by their angles.

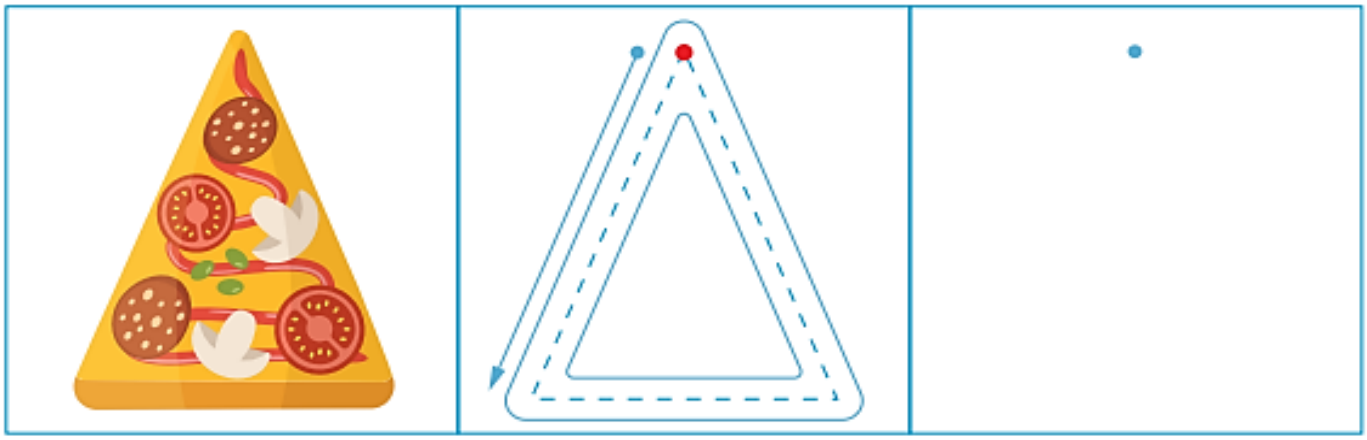


Check the birds that are holding shapes by their sides.



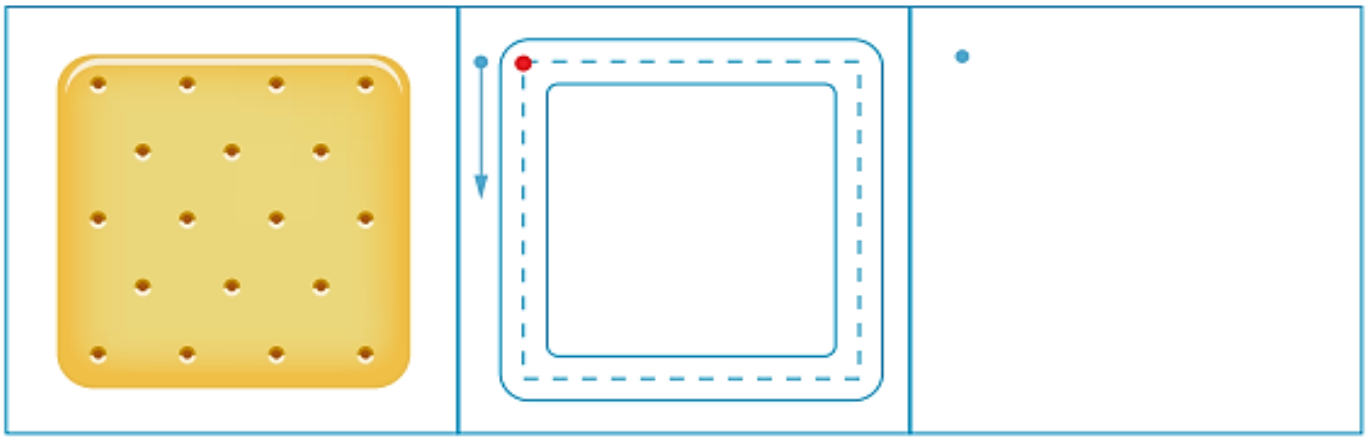
# Triangle

A triangle has 3 sides. Trace the triangle.
Then draw your own triangle.



# Rectangle

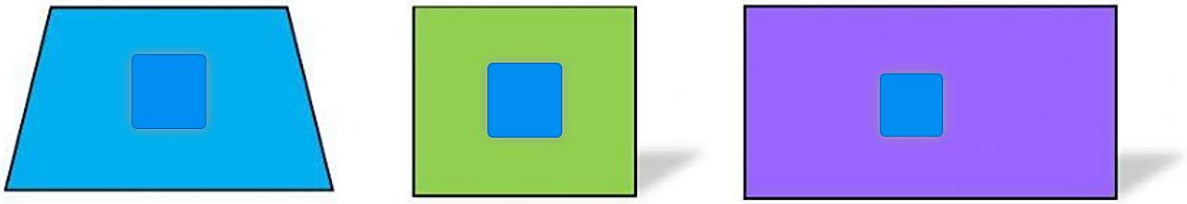
A rectangle has 2 longer sides and 2 shorter sides.
Trace the rectangle. Then draw your own rectangle.



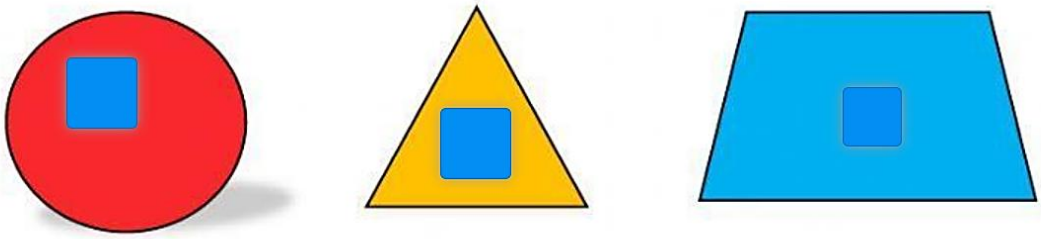
**Tick the correct answer in the blue box**

# Who am I?

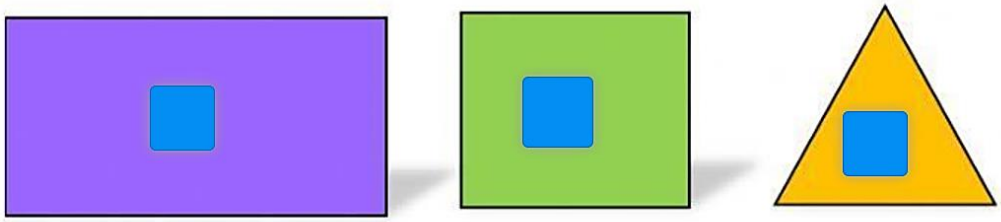
I have 4 sides. 2 sides are long, and 2 sides are short. What shape am I?



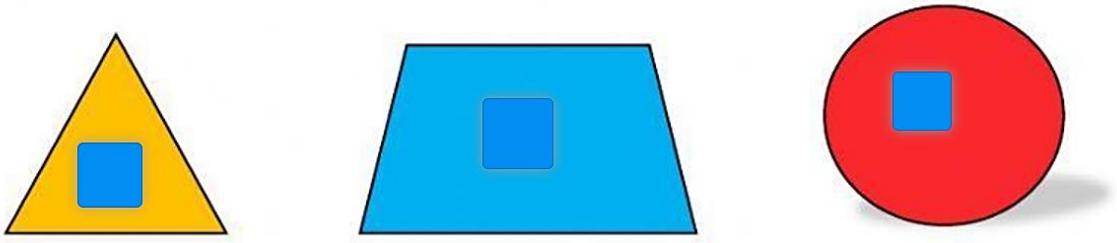
I am round. I do not have any corners. What shape am I?



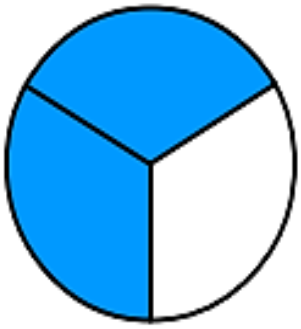
I have 4 sides. All 4 sides are equal. What shape am I?



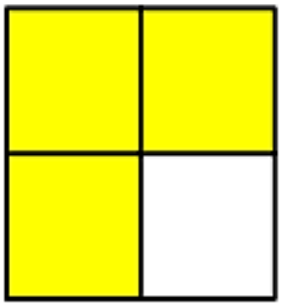
I have 3 sides and 3 corners. What shape am I?



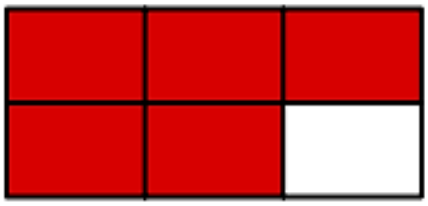
Circle the correct fraction from the given choices.

1. 

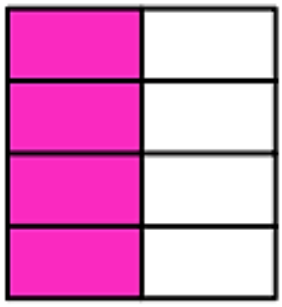
$\frac{3}{4}$ $\frac{2}{3}$ $\frac{1}{4}$

2. 

$\frac{3}{4}$ $\frac{1}{5}$ $\frac{2}{3}$

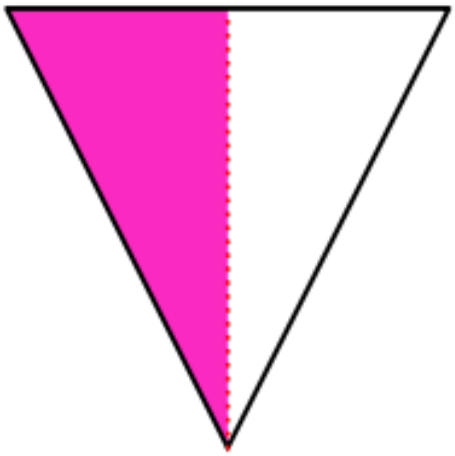
3. 

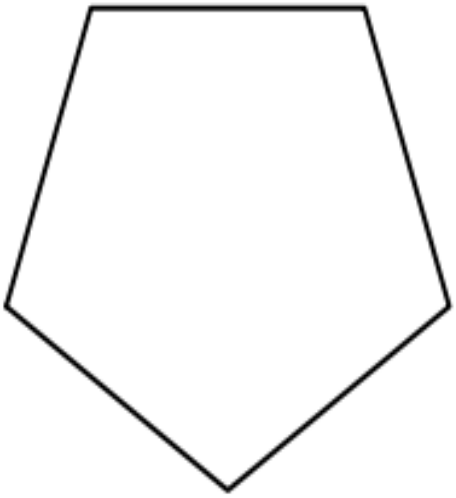
$\frac{2}{4}$ $\frac{4}{5}$ $\frac{5}{6}$

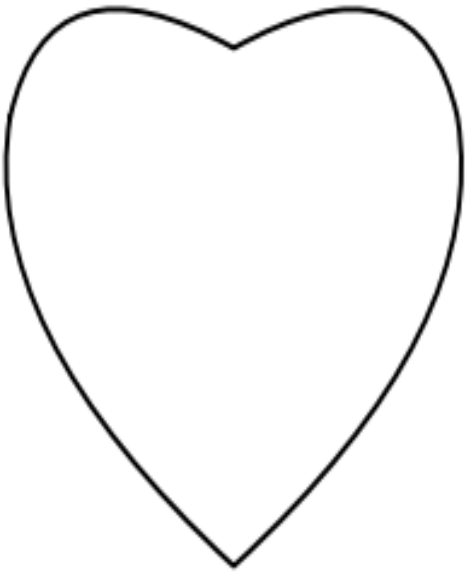
4. 

$\frac{4}{8}$ $\frac{1}{3}$ $\frac{1}{2}$

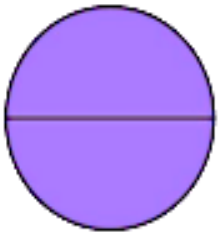
Draw a line to divide the shape into 2 equal parts.



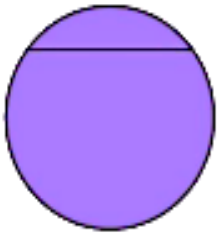




1) Does the shape have an equal share?

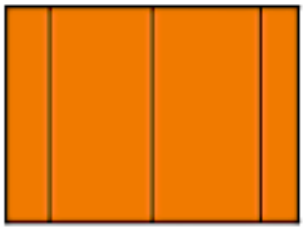


yes/no

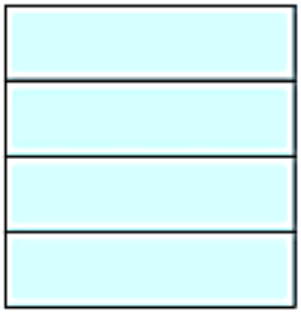


yes/no

2) Tick the shape that has an equal number of shares and put a wrong on the shape that has an unequal number of shares.



3) How many equal shares does the shape have?



_____ equal shares

# Capacity: Which object holds more?

Circle the objects that can hold more.

# Comparing the weight of two objects

Circle the objects that weigh more.

| | |
|---|---|
| School bus   | Paper clip  |
| Book  | Boy  |
| Computer  | Cup  |
| Toothbrush  | Toy Train  |

Circle the objects that weigh less.

| | |
|---|---|
| Car  | CD  |
| Mobile Phone  | Clip  |
| Nail  | Hammer  |
| Sunglasses  | Books  |

# Taller / Shorter

Look at the pictures. Answer the questions by drawing the correct sized pictures.

| | |
|---|---|
| **Draw a taller one.**  | **Draw a shorter one.**  |
| **Draw a shorter one.**  | **Draw a taller one.**  |
| **Draw a taller one.**  | **Draw a shorter one.**  |

# Order the heights of 3 objects

In each row, write "shortest" under the shortest item and "tallest" under the tallest item.

| | | |
|---|---|---|
|  |  |  |
| | | |
|  |  |  |
| | | |
|  |  |  |
| | | |

# Capacity and Volume

Can you draw a line on each container to show the water level at the correct volume?

**half full**

**nearly full**

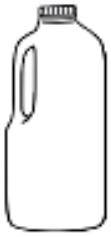
**nearly empty**

**full**

Which container has the smallest capacity? **Circle one.**

Which container has the greatest capacity? **Circle one.**

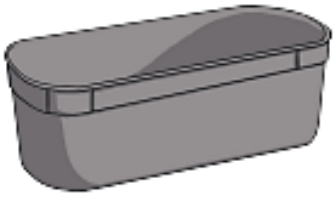
Which container has the greatest capacity? **Circle one.**



Which container has the smallest capacity? **Circle one.**

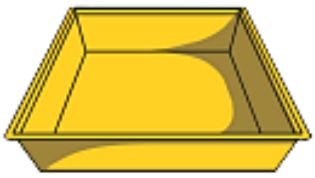
# More Than, Less Than Capacity

Pour water from each object below to compare their capacity.
Write 'more than' or 'less than' to complete the sentences.



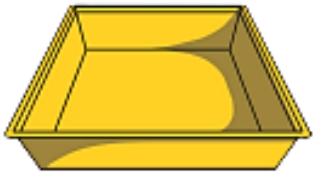
The ice cream tub holds _____ the plastic cup.

The bucket holds _____ the book tray.

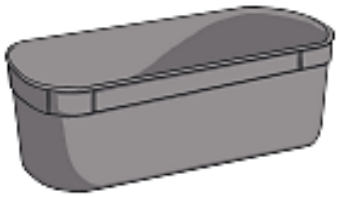


The plastic cup holds _____ the water bottle.

The bowl holds _____ the pencil tin.



The book tray holds _____ the ice cream tub.



**Challenge:** Find your own objects to compare.

The _____ holds _____ the _____

# Volume

To understand capacity and volume.

Draw the liquid in the bottle to match the volume.

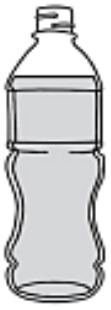
**full**

**empty**

**nearly empty**

**half full**

Draw a line connecting the pictures with the correct volume.



| full | nearly empty | half full | nearly full | empty |
|---|---|---|---|---|

Tick the container that is half full.

☐

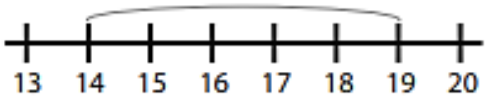
☐

☐

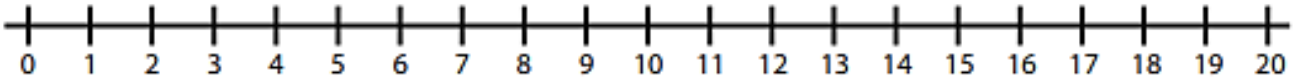
☐

☐

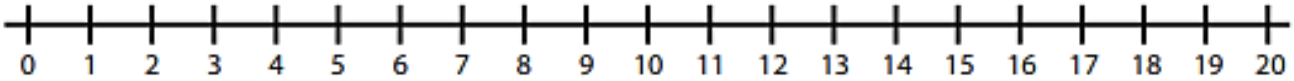
# Addition to 20 with a number line

| Example: | |
|---|---|
| 14 + 5 = 19 |   |

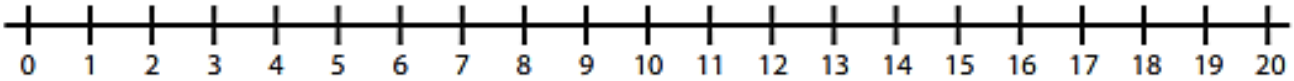
10 + 7 =



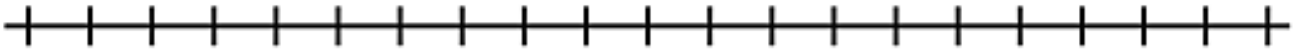

10 + 5 =



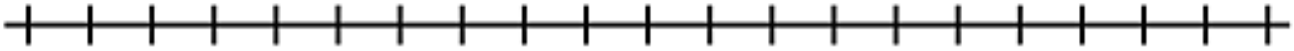

11 + 2 =



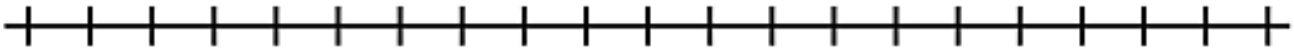

6 + 8 =



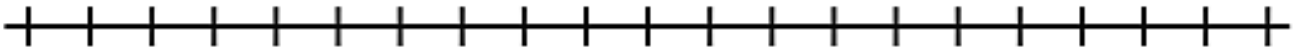
9 + 9 =



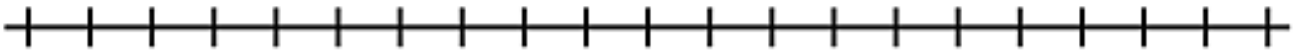
8 + 10 =



5 + 12 =

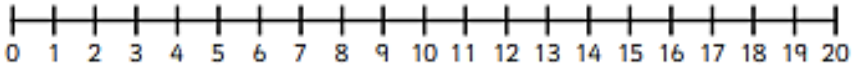


17 + 3 =

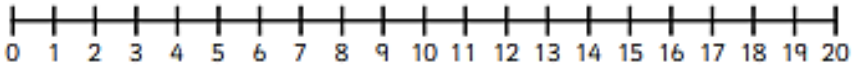


# Addition to 20 on a Number Line - Sheet 2

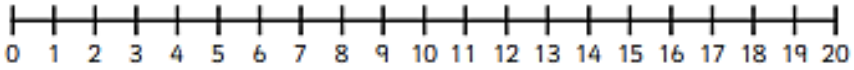
**1.** 10 + 7 = ☐



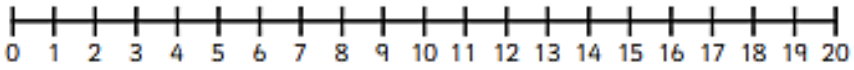

**2.** 11 + 8 = ☐



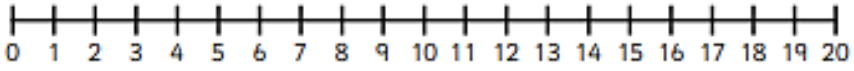

**3.** 16 + 3 = ☐



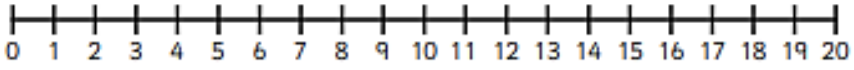

**4.** 2 + 12 = ☐



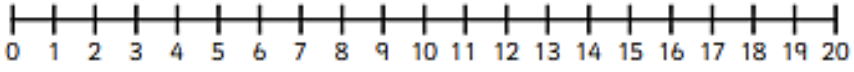

**5.** 0 + 13 = ☐



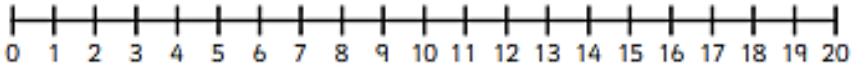

**6.** 8 + 12 = ☐



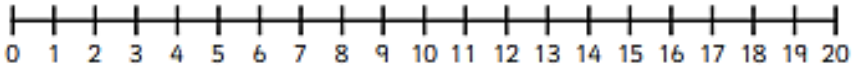

**7.** 7 + 9 = ☐



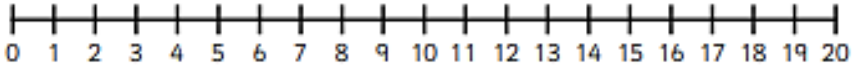

**8.** 15 + 2 = ☐




**9.** 6 + 14 = ☐

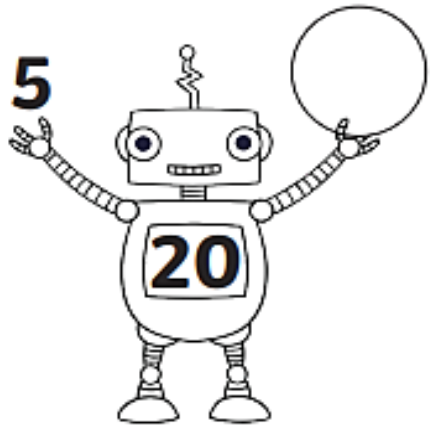


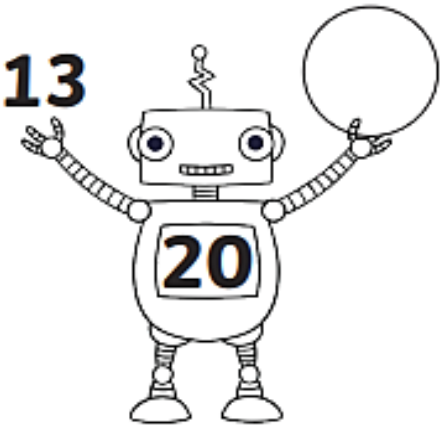

**10.** 11 + 4 = ☐

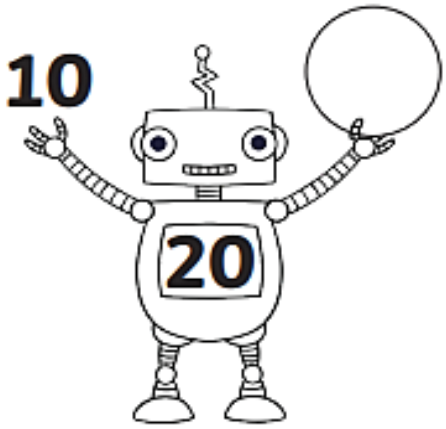


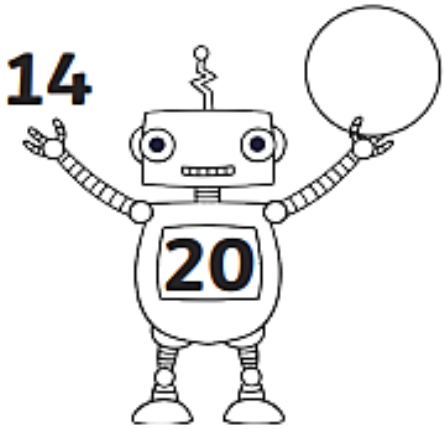
# Number Bonds of 20

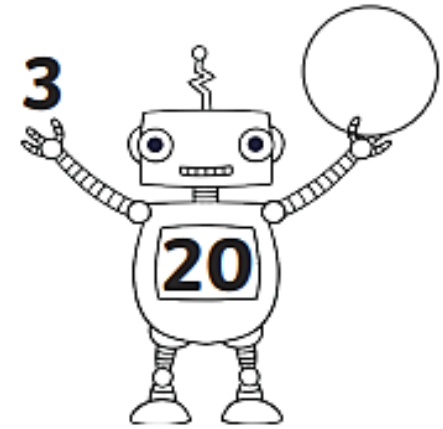
Can you find the missing number bond to make 20?

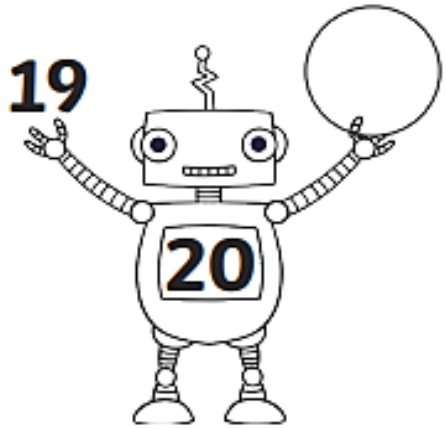


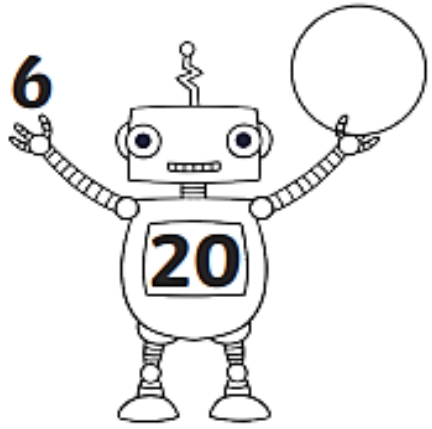



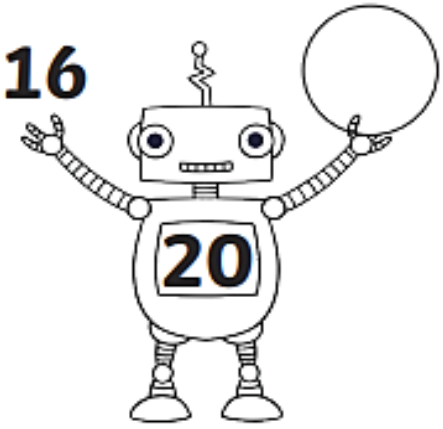



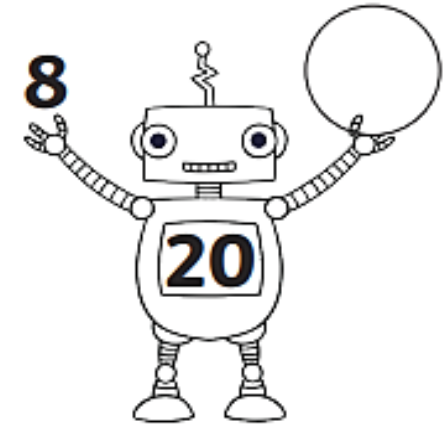



# Transport Trace, Count and Add to 20

8  + 6  =

16  + 4  =

12  + 7  =

10  + 5  =

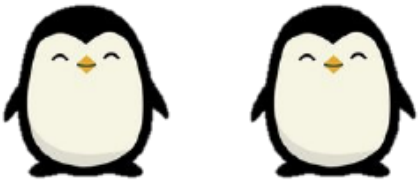
9  + 9  =

**Answer the following word problems**

There were 21 stars in space. An alien spaceship zapped 6 away! How many s tars were left?

.....

The happy penguin ate 19 fish. His friend ate 5 fish. How many fish did they eat in total?



.....

Jim had 22 sweets. Lee gave him 8 more. How many sweets has Jim got

.....

Tom had 16 cars. Jen gave him 8 more. How many cars has he got now?

.....

Sam saw 11 rabbits in the field. 7 rabbits hopped away. How many are left in the field?

.....

Jack had 17 magic beans. He accidently dropped 8. How many does he have left?

.....

Toby catches 13 mice. 7 of the mice escape. How many does Toby have now?

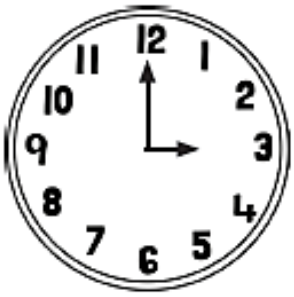
.....

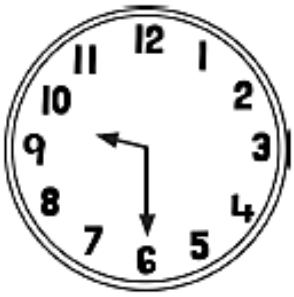
Ashley had 16 colouring pencils. Joe takes 7 to use. How many does Ashley have left?

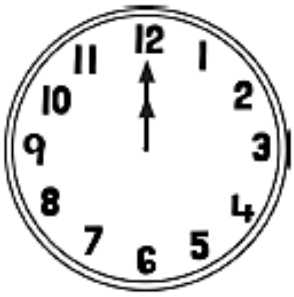
.....

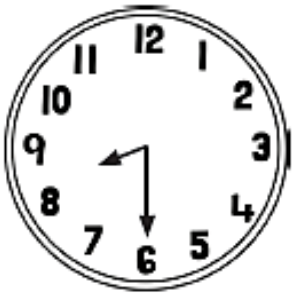
# Tell the Time: Writing the Time

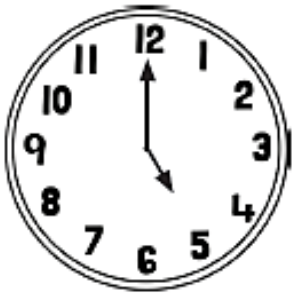
Write the time shown on each clock.

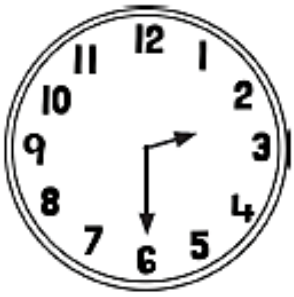


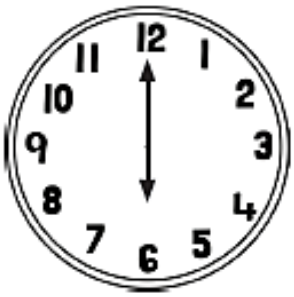


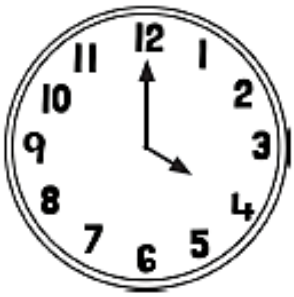




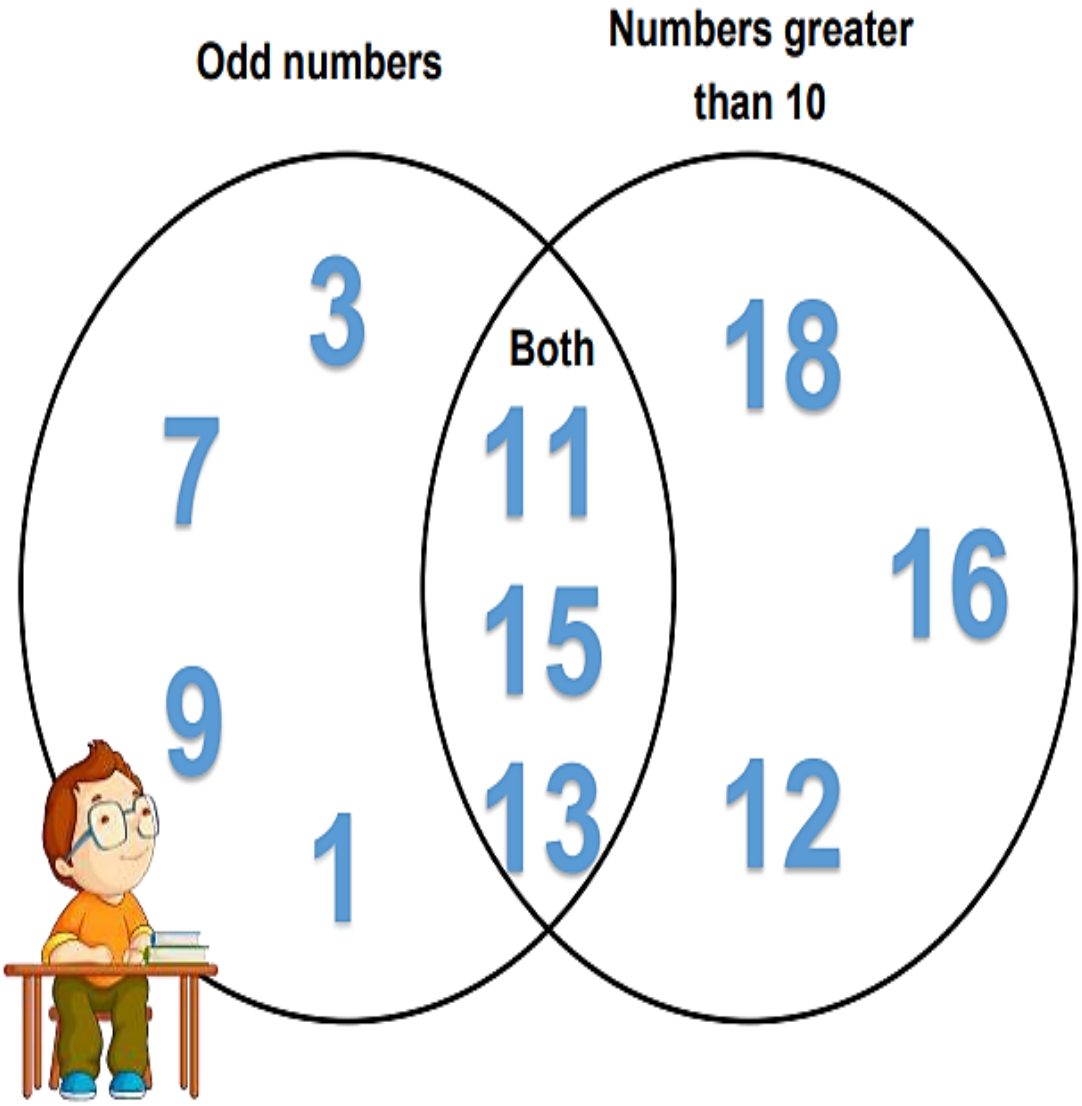








Study the Venn diagram and answer the questions.



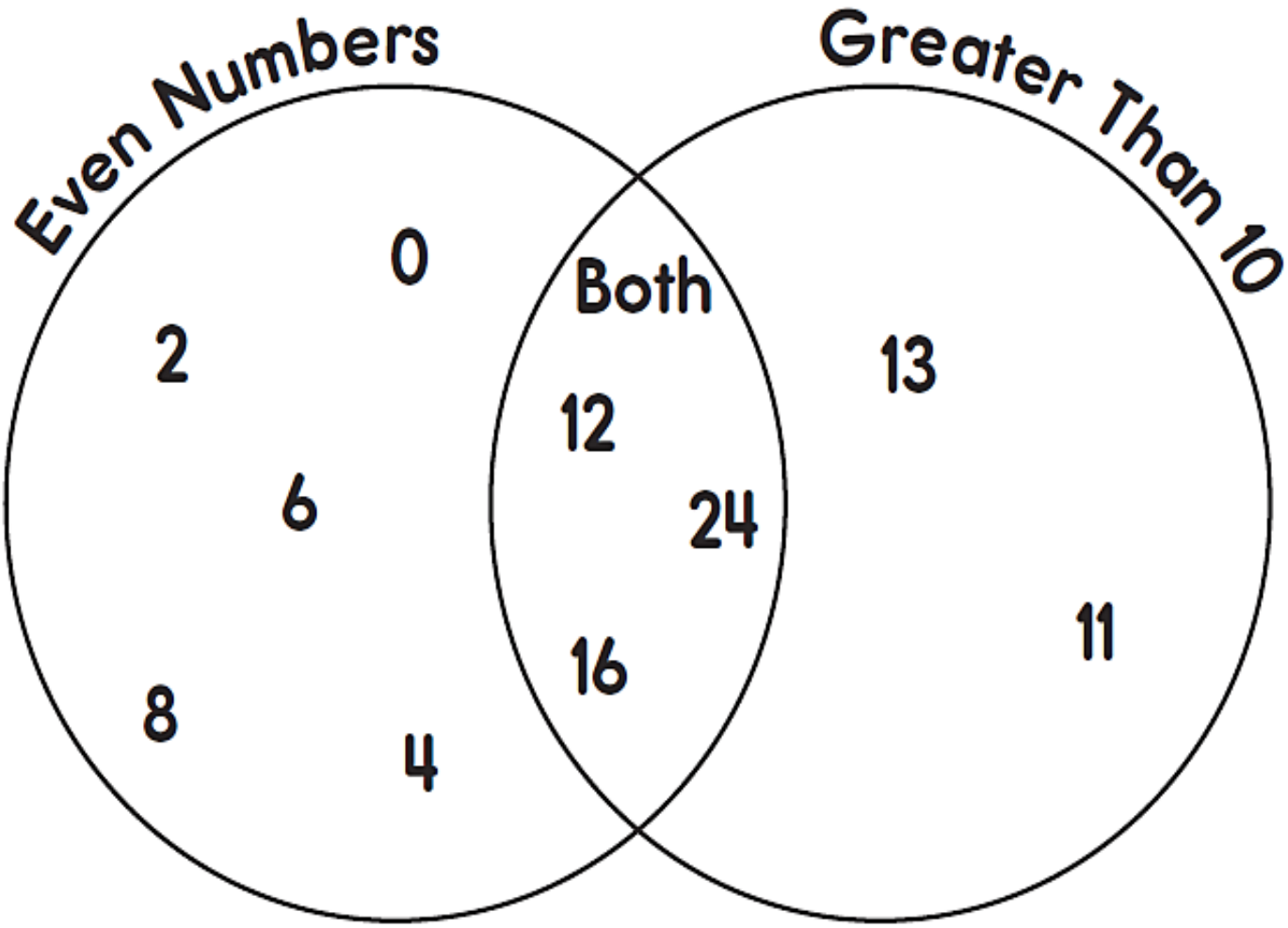

1. How many odd numbers are there? _____

2. What are the odd numbers greater than 10? _____

3. How many numbers greater than 10 are there that are not an odd number? _____

4. List all the odd numbers less than 10. _____

# Venn Diagram Math




**Directions:** Carefully read each question and answer the following.

1. How many even numbers are there altogether?

   _____

2. How many numbers are odd?

   _____

3. How many numbers are in the middle section of the Venn diagram?

   _____