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Estimating Numbers

Estimating is used in certain mathematical calculations. If an **approximate number** is needed and not the **exact number**, it is acceptable to first round the numbers and then perform the calculation.

Read each situation below. Would it be best to know the exact amount? Or would it be acceptable to estimate the final answer? Circle the correct choice.

You and your family are traveling to the beach for some fun in the sun! Your parents want to know about how many miles the drive will be.

Would it be best to estimate the distance or use exact numbers?

okay to estimate

use exact numbers

Grandma is serving lunch today at 12:15 and she asked you not to be late! You and your sisters are still playing on the beach when you notice the sun is almost directly overhead.

Should you estimate the time, or should you find your watch to know the exact hour and minute?

okay to estimate

find exact hour and minute

While at the beach, you visit your favorite seafood restaurant. Their hushpuppies are delicious! At the end of the meal, your dad calculates the amount of tip to leave your waiter.

Should your dad estimate the amount of tip or should he use exact numbers?

okay to estimate

use exact numbers

One of the destinations you want to visit at the beach is The Aquarium. You and your sisters only have $30 to spend on admission. You are unsure of the admission price prior to your trip.

Before you go to The Aquarium, is it best to know the exact price of admission tickets, or is it okay just to have an estimate of the ticket price?

okay to estimate

know the exact price

It's the last day of your beach trip and you're packing your suitcase to go home. You must check out of your beach condo by 11:00 am.

Should you estimate the current time, or should you check the clock for the exact hour and minute?

estimate the time

find exact hour and minute

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Averaging Numbers

An **average** is found by adding two or more quantities and then dividing by the total number of quantities.

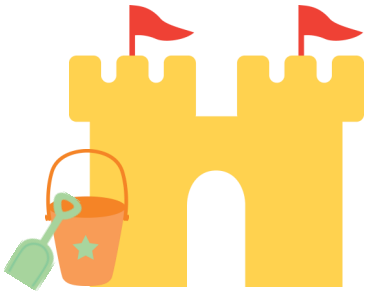
Find the average amount of each group of numbers below. Then draw a line from each equation to the correct average.

3 + 24 + 19 + 6 =	66
152 + 196 + 102 =	838
99 + 14 + 85 =	18
825 + 835 + 854 =	13
100 + 200 + 141 =	28
37 + 12 + 5 =	147
44 + 24 + 16 =	150

Alyssa spent 4 hours on the beach on Monday, 6 hours on the beach on Tuesday, and 5 hours playing on the beach on Wednesday.

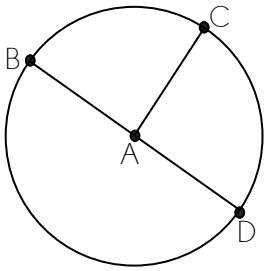
What was the average time Alyssa spent on the beach each day?

_____ hours



Geometry Practice: Circles

Name the circle, radius, and diameter of each figure below. Use the example at the top to help you, if you need it.



Circle A

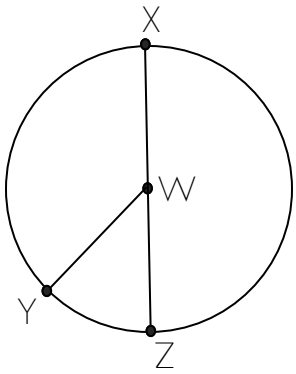
Radius AC

Diameter BD

A **circle** is a round figure, named by its center.

A **radius** is a line segment from the center of the circle to the edge of the circle.

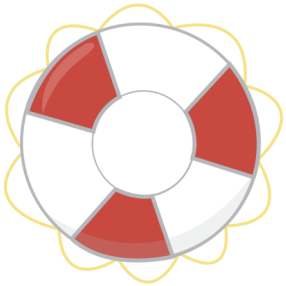
The **diameter** is a line that goes across the center and through the circle.

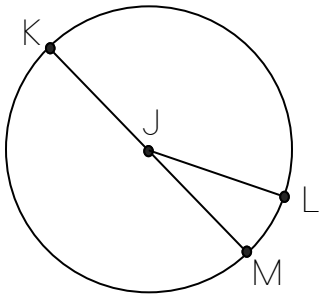


Circle_____

Radius_____

Diameter_____

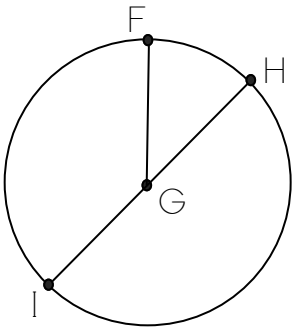




Circle_____

Radius_____

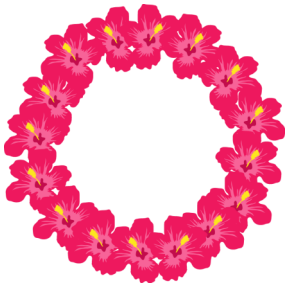
Diameter_____

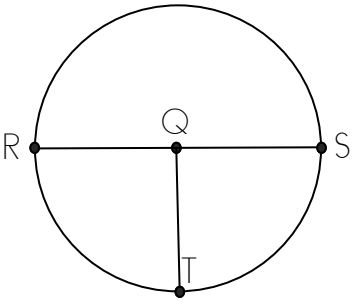


Circle_____

Radius_____

Diameter_____





Circle_____

Radius_____

Diameter_____

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