

MATH SCAVENGER HUNT

GRADE LEVEL(S) 2-5

LESSON OBJECTIVE

Students will practice and demonstrate understanding for solving equations, 'real world' word problems and varying amounts of money.

BACKGROUND/PRIOR KNOWLEDGE NEEDED

No prior knowledge is needed for this lesson.

EDUCATION STANDARD(S)

Grade 2: Number Sense – 1.1, 2.1, 2.3, 5.1, 5.2; Mathematical Reasoning – 1.0, 2.0

Grade 3: Number Sense – 2.1, 2.8, 3.3; Mathematical Reasoning – 1.0, 2.0

Grade 4: Number Sense – 2.1, 3.1; Mathematical Reasoning – 1.0, 2.0

Grade 5: Number Sense – 2.1, 3.1; Mathematical Reasoning – 1.0, 2.0

MATERIALS NEEDED

Scavenger Hunt worksheet, pencil

MOTIVATION

Say, "Who has participated in a scavenger hunt?" Have a discussion about what a scavenger hunt is and how students think it works. Share with the students various scavenger hunt stories and/or participate in some scavenger hunts (see additional resources). Another motivating activity is to play a scavenger hunt game with the children: 'Hot and Cold' treasure hunt or twenty questions.

DIRECT INSTRUCTION

- Discuss with the students their experiences with scavenger hunts. Share a picture book about hunting for something or trying to figure something out.
- Have students play 'Hot and Cold' (a game where students have to locate an object in the room by naming other objects and the teacher lets them know if they are closer (hot) or farther (cold) away from the object), twenty questions, or any other question/hunt game.
- After the game, discuss the field trip to the Santa Monica Pier. Say, "We are going on a scavenger hunt at the Santa Monica Pier. Just like our game and stories we

read, we are going to be looking for answers to questions. Traveling around the Pier, you should use the things you see, bulletin boards, brochures, posted signs, and even the people who work at the Pier to help you in hunting down all the answers! Try to find as many as possible.”

- Take a field trip to the Santa Monica Pier. Most questions are confined to the Pacific Park area and the Carousel. With younger students, have them stay and answer questions at the Pacific Park area and then as a group go to the Carousel and have them answer those questions. This will help with safety and control of smaller age children. Some questions can be answered through the Pacific Park website (<http://www.pacpark.com/>) or the Santa Monica Pier website (www.santamonicipier.org) as well.
- After returning to class, discuss how they found their information, what ways or tricks helped them and/or strategies they may have used.
- Share all the answers from the scavenger hunt in groups or together as a class.

GROUP/INDEPENDENT WORK

Students can work independently or in varying groups or teams depending on level of ability, class size, and/or teacher's preference. However, pairs would be an ideal grouping for this activity.

ACCOMMODATIONS AND MODIFICATIONS

- Limit or expand the number of questions students need to answer
- Assign different areas of the Pier and its history to students. Have them create questions from their research to add to the scavenger hunt or to make their own scavenger hunt from scratch.
- Prior to the visit to the pier, have students participate in more scavenger hunt activities (www.scavengerhuntsforkids.com/index.html).

ASSESSMENT/WRAP UP

Students can verify each other's work in groups. Work can also be assessed by a teacher review and/or class discussion.

ADDITIONAL RESOURCES

<http://www.pacpark.com/>
<http://www.santamonicipier.org/>
www.scavengerhuntsforkids.com/index.html

I Spy A to Z by Lucy Micklethwait
I Spy Shapes in Art by Lucy Micklethwait
I Spy Treasure Hunt by Jean Marzillo

The Scavenger Hunt (Beacon Street Girls) by Annie Bryant

The Scavenger Hunt (The Little Engine That Could) by Loretta Lustig

DIRECTIONS: use this worksheet to travel around the Santa Monica pier and answer as many of the scavenger hunt questions as possible. Use what you see, any brochures, bulletin boards, posted signs, and even the people who work at the pier to help you along the way to hunting down all the answers! Good LUCK!

THE PACIFIC WHEEL IS JUST ABOUT OVER HOW MANY STORY BUILDINGS HIGH?

SANTA

HOW MANY PLANES ARE ON THE INKIE'S SEA PLANE RIDE ?



WHAT IS THE TOTAL AMOUNT OF ANIMALS ON THE CAROUSEL?

MONICA

WHAT DO THEY CALL EACH CART ON THE PACIFIC WHEEL?

ON THE CAROUSEL, WHAT IS THE ONE SPECIAL ANIMAL YOU CAN RIDE?

Pier math

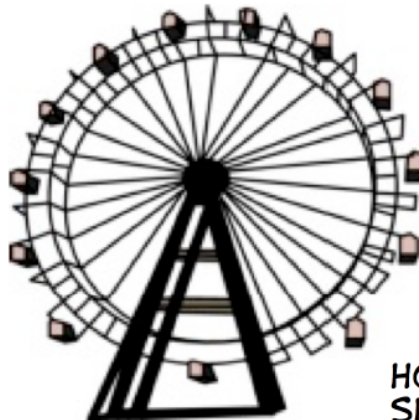
scavenger

hunt

THERE ARE CARS ON THE INKIE'S SCRAMBLER RIDE.

HOW MANY CARTS DOES THE ROLLER COASTER HAVE?

HOW MANY ADULT PEOPLE CAN FIT INTO ONE CART ON THE FERRIS WHEEL?



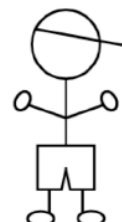
THE PIER IS FT. LONG.

HOW HIGH DOES THE FROG HOPPER JUMP?

HOW MANY SPOKES WILL YOU FIND IN THE PACIFIC WHEEL?

THE PACIFIC WHEEL HAS NEW L.E.D. LIGHTS. HOW MANY DOES THE FERRIS WHEEL HAVE?

WHAT ARE THE CART SEATS ON THE CAROUSEL CALLED?



A RIDE ON THE SEA DRAGON, FROG HOPPER, ROLLER COASTER, AND THE PIER PATROL WOULD COST HOW MUCH ALTOGETHER?

\$

WHAT IS THE HEIGHT REQUIREMENT TO RIDE INKIE'S SCRAMBLER. IN.

WOULD YOU BE TALL ENOUGH?

WHAT IS THE DIFFERENCE BETWEEN THE HEIGHTS OF THE FROG HOPPER AND THE FERRIS WHEEL? FT.

WHAT IS THE HEIGHT DIFFERENCE BETWEEN THE RIDE WITH THE SHORTEST HEIGHT REQUIREMENT AND THE TALLEST? IN.

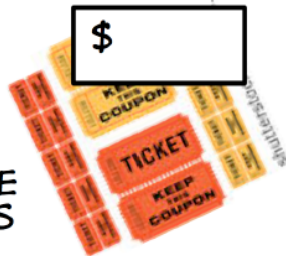


HOW MANY RIDERS CAN THE PACIFIC WHEEL CARRY PER HOUR?

HOW MANY HORSES ARE THERE IN TOTAL ON THE CAROUSEL?

HOW MANY RIDES ARE THERE AT PACIFIC PARK?

THREE SINGLES RIDES ON THE ROLLER COASTER WOULD COST? \$



HOW MANY KIDS MAXIMUM, CAN FIT ON THE SHIP AHOY RIDE?

ON THE CAROUSEL THERE ARE

GREEN SADDLES THAT YOU CAN RIDE.

WHAT IS ON BOTH ENDS OF THE SEA DRAGON RIDE?

THE PACIFIC WHEEL GENERATES 71,000 KILOWATT HOURS OF WHAT KIND OF POWER?

HOW TALL WOULD YOU HAVE TO BE IN ORDER TO RIDE THE ROLLER COASTER ALONE? IN.

HOW MUCH TALLER IS THE PACIFIC WHEEL THAN THE WEST COASTER? FT.



HOW MANY CARTS ARE THERE ON THE PACIFIC WHEEL?

WHAT IS THE ONE RIDE WHERE YOU CAN DRIVE A TRUCK?



HOW HIGH DOES THE WEST COAST MEASURE IN FEET? FT.

IF YOU BOUGHT TWO PACIFIC PARK UNLIMITED RIDE TICKETS FOR YOU AND YOUR FRIEND, HOW MUCH WOULD YOU PAY ALTOGETHER? \$

DIRECTIONS: use this worksheet to travel around the Santa Monica pier and answer as many of the scavenger hunt questions as possible. Use what you see, any brochures, bulletin boards, posted signs, and even the people who work at the pier to help you along the way to hunting down all the answers! Good LUCK!

SANTA

MONICA

Pier math

scavenger

hunt

HOW MANY PLANES ARE ON THE RED BARON RIDE?

6



CoolClips.com

THE PACIFIC WHEEL IS JUST ABOUT OVER HOW MANY STORY BUILDINGS HIGH?

9

WHAT IS THE TOTAL AMOUNT OF ANIMALS ON THE CAROUSEL?

48

WHAT DO THEY CALL EACH CART ON THE PACIFIC WHEEL?

GONDOLA

ON THE CAROUSEL, WHAT IS THE ONE SPECIAL ANIMAL YOU CAN RIDE?

ANSWERS WILL VARY DEPENDING ON THE PARK.

THERE ARE 12 CARS ON THE INKIE'S SCRAMBLER RIDE.

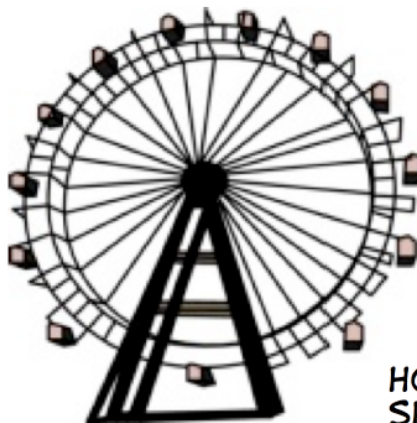
12

HOW MANY CARTS DOES THE ROLLER COASTER HAVE?

5

HOW MANY ADULT PEOPLE CAN FIT INTO ONE CART ON THE FERRIS WHEEL?

6



THE PIER IS 1,600 FT. LONG.

1,600 FT.

HOW HIGH DOES THE FROG HOPPER JUMP?

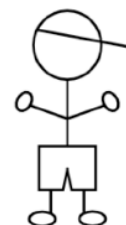
18 FT.

HOW MANY SPOKES WILL YOU FIND IN THE PACIFIC WHEEL?

40

THE PACIFIC WHEEL HAS NEW L.E.D. LIGHTS. HOW MANY DOES THE FERRIS WHEEL HAVE?

160,000



WHAT ARE THE CART SEATS ON THE CAROUSEL CALLED?

CHARIOTS

A RIDE ON THE SEA DRAGON, FROG HOPPER, ROLLER COASTER, AND THE PIER PATROL WOULD COST HOW MUCH ALTOGETHER?

\$16.00

WHAT IS THE HEIGHT REQUIREMENT TO RIDE INKIE'S SCRAMBLER.

48 IN.

WOULD YOU BE TALL ENOUGH?

ANSWERS WILL VARY

WHAT IS THE DIFFERENCE BETWEEN THE HEIGHTS OF THE FROG HOPPER AND THE FERRIS WHEEL?

112 FT.

WHAT IS THE HEIGHT DIFFERENCE BETWEEN THE RIDE WITH THE SHORTEST HEIGHT REQUIREMENT AND THE TALLEST?

12 IN.



HOW MANY RIDERS CAN THE PACIFIC WHEEL CARRY PER HOUR?

800

HOW MANY HORSES ARE THERE IN TOTAL ON THE CAROUSEL?

47

THE HEIGHT OF THE PACIFIC PLUNGE IS HOW HIGH?

45 FT.

HOW MANY RIDES ARE THERE AT PACIFIC PARK?

12

THREE SINGLES RIDES ON THE ROLLER COASTER WOULD COST?

\$15.00



THE PACIFIC WHEEL GENERATES 71,000 KILOWATT HOURS OF WHAT KIND OF POWER?

SOLAR

HOW TALL WOULD YOU HAVE TO BE IN ORDER TO RIDE THE ROLLER COASTER ALONE?

42 IN.

HOW MUCH TALLER IS THE PACIFIC WHEEL THAN THE WEST COASTER?



HOW MANY KIDS MAXIMUM, CAN FIT ON THE SHIP AHOY RIDE?

16

75 FT.

HOW MANY CARTS ARE THERE ON THE PACIFIC WHEEL?

20

ON THE CAROUSEL THERE ARE

8

GREEN SADDLES THAT YOU CAN RIDE.

WHAT IS THE ONE RIDE WHERE YOU CAN DRIVE A TRUCK?

PIER PATROL



HOW HIGH DOES THE WEST COAST MEASURE IN FEET?

55 FT.

WHAT IS ON BOTH ENDS OF THE SEA DRAGON RIDE?

DRAGON HEAD

IF YOU BOUGHT TWO PACIFIC PARK UNLIMITED RIDE TICKETS FOR YOU AND YOUR FRIEND, HOW MUCH WOULD YOU PAY ALTOGETHER?

\$49.90