



MATH SCAVENGER HUNT

Fifth Grade

I. Find the **cars** on the lower level of the Discovery Center.

1. Where did you find them? The _____ Gallery

The Ford Model T is famous for its role ushering in the era of mass production. By 1924, (1×10^7) Model T cars had been produced on the assembly lines at Ford's factories.

5.NBT.A.2 2. Write (1×10^7) in standard form: _____

In 2012, the 1948 Special Deluxe "Woody" cost (2.803×10^3) dollars.

5.NBT.A.2 3. Write the cost in standard form: _____

The weight of the 1957 Chevrolet Bel Air is (2.5×10^3) pounds.

5.NBT.A.2 4. Write the weight in standard form: _____

The weight of the 1957 Chevrolet Cameo Pickup is (3.373×10^3) pounds.

5.NBT.A.2 5. Write the weight in standard form: _____

5.NF.B.4a Multiply the weight by $\frac{1}{4}$: _____

The weight of the 1910 Brush Runabout is (9.5×10^2) pounds, and the weight of the 1929 Ford Model is (2.265×10^3) pounds.

5.NBT.A.2 6. Write the weights of these two cars in standard form as an inequality:

The cost of the 1938 Lincoln Zephyr is (1.8×10^3) dollars.

5.NBT.A.2 7. Write the cost in standard form: _____

5.NBT.B.7 Multiply the cost by forty hundredths: _____

The weight of the Ford Model is (1.2×10^3) pounds.

5.NBT.A.2 8. Write the weight in standard form: _____

5.NBT.B.7 Divide the weight by six tenths: _____

The speed of the 1970 Plymouth Superbird is (1.5×10^2) mph.

5.NBT.A.2 9. Write the speed in standard form: _____

5.NBT.B.7 Add the speed to ten and thirty-two hundredths: _____

II. *Below are the prices for admission tickets to Discovery Park of America.*

Age	Daily Admission	Consecutive 2-Day Special
Adults (13 & up)	\$14.95	\$20.95
Child (4-12)	\$11.95	\$15.95
Child (3 & under)	free	free
Senior Citizens (65+)	\$12.95	\$17.95

A family has come to see the Discovery Park for two consecutive days. The family consists of the father, mother, teenage daughter and son, ten-year-old son, three-year-old daughter, and their grandmother.

5.OA.A.1 10. What is the cost of admission for the family? _____

The father brought \$200 for admission. Does he have enough? _____

5.NBT.B.7 11. Suppose the tax is \$11.17. What is the total cost? _____

Does he have enough money? _____

The Special Attractions cost \$3.95 per attraction, or \$9.95 for all three. Each person wants to go the Tower and the Earthquake Simulator.

5.NBT.B.7 12. How much will it cost for the seven-person family to see the two Special Attractions? _____

Suppose the tax is \$5.53. What is the total cost? _____

Does the father still have enough money? _____

III. Find the KEVA Planks in the upper level of the Discovery Center.

13. Where did you find them? The _____ Gallery

Use the KEVA Planks to answer the following questions.

5G.B.4 14. Make a rectangle with a length of 2.5 inches and a width of 3.2 inches.

5.NBT.A.4 Find the **perimeter** of the rectangle using decimals. _____

$$\text{Perimeter} = (2 \times \text{length}) + (2 \times \text{width})$$

5.NBT.B.7 15. Find the **area** of the rectangle using decimals. _____

$$\text{Area} = \text{Length} \times \text{Width}$$

5.G.B.4 16. Using the KEVA Planks, make a rectangular prism with a length of $\frac{1}{2}$ foot, a width of $\frac{1}{3}$ foot, and a height of $\frac{1}{3}$ foot.

5.MD.A.1 Convert feet to inches. _____

5.MD.C.5b Find the volume of the rectangular prism. _____

$$\text{Volume} = \text{Length} \times \text{Width} \times \text{Height}$$

Find the Mammoth skeleton on the entry level of the Discovery Center.

17. Where did you find it? The _____ Gallery

5.NBT.A.2 Wooley is about (1.2×10^4) years old. What is his age in standard form? _____

Find the aquarium on the entry level of the Discovery Center.

18. Where did you find it? The _____ Gallery.

5.NBT.A.2 19. The aquarium is full of species native to Reelfoot Lake and holds (2×10^4) gallons of water. Write the gallons in standard form: _____

