



MATH SCAVENGER HUNT

Sixth Grade

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

1. Where did you find them? The _____ Gallery

Fill in the chart below.

Car	Original Price	Weight	Top Speed
1929 Lincoln Sport Phaetom			
1948 Plymouth Special Deluxe			
1957 Ford Thunderbird			
1970 Plymouth Superbird			

6.SPA.3 2. Estimate the **mean** of the **price** of the cars above. _____

3. Find the **median weight** of the cars. _____

4. Find the **mode** of the **speed** of the cars. _____

5. Calculate the **range** of the **dates** of the cars. _____

6.NS.B.2 6. Is the **weight** of the 1929 Lincoln Sport Phaetom divisible by 5? _____

7. Is the **price** of the 1957 Ford Thunderbird divisible by 3? _____

8. Is the **date** of the 1970 Plymouth Superbird divisible by 2? _____

9. Is the **speed** of the 1948 Plymouth Special Deluxe divisible by 10? _____

10. Is the **weight** of the 1957 Ford Thunderbird divisible by 6? _____

11. Is the **speed** of the 1970 Plymouth Superbird divisible by 3? _____

II. *Find the KEVA Planks and the Giant Human Slide on the upper floor of the Discovery Center.*

12. Where did you find them? The _____ Gallery

13. Use the KEVA Planks to make a right, acute, and an obtuse triangle.

Draw and labels the triangles.

6.NS.A.1
6.G.A.1

14. If the base of a right triangle is $\frac{2}{3}$ in. and the height is $\frac{3}{4}$ in, what is the area?

6.NS.B.1
6.G.A.1

15. If the base of an acute triangle is 0.4 in. and the height is 0.12 in, what is the area?

6.NS.A.1
6.G.A.1

16. If the sides of an obtuse triangle are $2\frac{1}{2}$ in, 1.4 in, and 0.06 in, what is its perimeter?

17. Use the KEVA Planks to make a cube.

6.NS.A.1
6.G.A.2

18. Find the volume of the cube if one side measures $3\frac{1}{2}$. _____

6.RP.A.3d

19. If the Giant Human stood up, he would be about 48 ft tall.

How many yards is 48 ft? _____

How many inches are in 48 ft? _____

6.RP.A.3d

20. The slide on the Giant Human Slide is 32 ft long.

How many yards is 32 ft? _____

How many inches are in 32 ft? _____

III. *Find the Gift Shop on the entry level of the Discovery Center. Sliding down the Giant Human slide would be the quickest way to get to the entry level.*

21. Find the costs of the following items:

Coon skin hat: \$ _____

Big red or blue coffee cups: \$ _____

Stuffed animal snake: \$ _____

200 KEVA Planks age 7+ : \$ _____

Discovery Park Postcards: \$ _____ or \$ _____

6.RPA.3 22. What is the better buy for the postcards? _____

Explain. _____

6.NS.B.3 _____

6.RPA.3c 23. What would be the combined cost of the items? (one of each)

6.NS.B.3 24. If the Tennessee sales tax rate is 9.75%, how much will tax cost?

25. What is the total cost of the items plus tax? _____

