

Name \_\_\_\_\_

Date \_\_\_\_\_



## PROBLEM SOLVING - TALLEST LIGHTHOUSES (STANDARD)

Here is a selection of some of the tallest lighthouses in the world today.

Lighthouse	Height (ft)	Order of height
Ile Vierge	271	
Jeddah Light		1
Lighthouse of Genoa		
Perry Memorial Monument	352	
Phare de Gatteville	247	
Yokohama Marine Tower		

1) Use these facts to complete the table above:

- The Lighthouse of Genoa is 18ft lower than the Ile Vierge.
- The Jeddah Light is 84ft higher than the Perry Memorial Monument.
- The Yokohama Marine Tower is 61ft higher than the Ile Vierge.

2) Fill in the order of height from 1 to 6, with 1 being the tallest.

3) How much taller is the Perry Memorial Monument than the Phare de Gatteville? \_\_\_\_\_ ft

4) How much shorter is the Ile Vierge than the Jeddah Light? \_\_\_\_\_ ft

5) Tyger says "The Jeddah Light is more than double the height of the shortest tower." Is he correct? \_\_\_\_\_

6) Which tower is closest to 300ft in height? \_\_\_\_\_

7) Tyger says "If you put three Yokohama towers on top of each other, it would make about 1000ft." Is he correct? \_\_\_\_\_





## PROBLEM SOLVING - TALLEST LIGHTHOUSES (STANDARD) ANSWERS

Lighthouse	Height (ft)	Order of height
Ile Vierge	271	4
Jeddah Light	436	1
Lighthouse of Genoa	253	5
Perry Memorial Monument	352	2
Phare de Gatteville	247	6
Yokohama Marine Tower	332	3

1) Use these facts to complete the table above:

- The Lighthouse of Genoa is 18ft lower than the Ile Vierge.
- The Jeddah Light is 84ft higher than the Perry Memorial Monument.
- The Yokohama Marine Tower is 61ft higher than the Ile Vierge.

2) Fill in the order of height from 1 to 6, with 1 being the tallest.

3) How much taller is the Perry Memorial Monument than the Phare de Gatteville? **105ft**

4) How much shorter is the Ile Vierge than the Jeddah Light? **165ft**

5) Tyger says "The Jeddah Light is more than double the height of the shortest tower." Is he correct?  **$247 \times 2 = 494\text{ft}$ . Jeddah = 436ft. He is wrong!**

6) Which tower is closest to 300ft in height? **Ile Vierge (29ft away).**

7) Tyger says "If you put three Yokohama towers on top of each other, it would make about 1000ft." Is he correct?  **$332 \times 3 = 996\text{ft}$ . He is correct.**