

Raft Rally

GOAL: To create a “raft” from a 20 cm X 20 cm piece of aluminum foil and 4 plastic straws that will hold the highest number of pennies.

You will receive one piece of foil and four plastic straws to make your raft. You may not use any other materials in the process. You will be allowed 20 minutes to build your raft.

If you need another piece of foil (due to rips, tears, etc.), 20 points will be deducted from your final score. You will be allowed one replacement only. You may not use more than one piece of foil on your raft.

Before testing, all rafts will be impounded and changes will not be allowed after that time. At the time of impoundment, you will be asked to estimate the number of pennies you think your raft will hold.

During testing, you may add pennies one at a time in any pattern you choose. When it appears that the raft is nearing its maximum load, you may be asked to wait a few seconds between adding pennies. At the point that any amount of water enters the raft, your turn is done. You cannot “dump” pennies in the raft at the last minute - this will disqualify your score!

You will receive one point for each penny held up to that point. A bonus of 10 points will be added if your estimate is within 10 pennies of your actual “load”. The person with the highest score will be declared the winner!

Happy Rafting!

Raft Rally

Name _____

Estimate _____

Number of pennies = _____

Bonus Points Earned = _____

Final Score = _____

Raft Rally

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Estimate _____

Number of pennies = _____

Bonus Points Earned = _____

Final Score = _____

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Final Score = _____