

MATHEMATICS QUIZ

CELEBRATING SRINIVASA
RAMANUJAN'S BIRTHDAY 2019

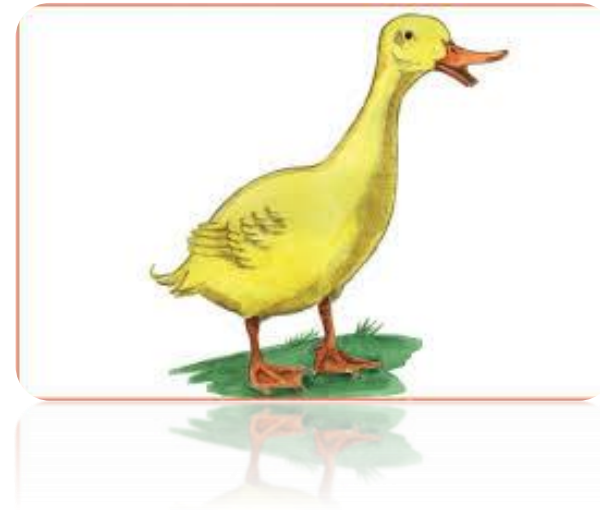
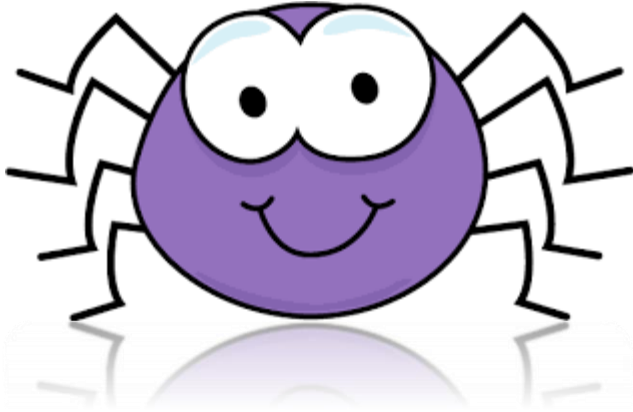
A grayscale photograph of a swimmer in a pool, captured mid-stroke. The swimmer is wearing goggles and is splashing water. Lane lines are visible in the background and foreground. The image is dark and serves as a background for the text.

QUESTION 1

You are participating in the swimming finals at the Olympics. In the final few seconds of the race you narrowly pass the swimmer who was in third place. What place did you get?

QUESTION 2

A duck was given \$8, a spider was given \$32, a bee was given \$24. Based off of this information, how much money would be given to a cat?



Answer : 16\$ as a cat
has 4 legs

QUESTION 3

Divide 20 by half and add 30,
what do you get?

If you are going to the movies, then is it cheaper to take one friend with you twice or two friends with you once?

QUESTION 4

QUESTION 5

In a lake, there is a patch of lilies. Every day, the lilies double in size. If it takes 10 days for the patch to cover the entire lake, on which day will the lilies cover half the lake?

Answer : On the 9th

QUESTION 6

If,

$$16=11,$$

$$25=12,$$

$$36=15,$$

$$49= ?$$

Answer : 20, Progression with odd numbers

QUESTION 7

If a bat and a ball together cost 110 rs and the bat costs 100 rupees more than the ball then find the cost of the bat and the ball.

Answer : The bat costs 105 rs and the ball costs 5 rs

QUESTION 8

Which of these letters has both parallel and perpendicular lines?

A C E L Z

QUESTION 9

 +  +  = 12

 +  +  = 16

 ×  = 40

 ×  = ?

Answer : 20

QUESTION 10

How many 9's are
there between 1 and
100?



QUESTION 11

Add me to myself and multiply by 4.
Divide me by 8 and you will have me
once more. What number am I?

Question 12:

Fill in the missing numbers. How else could you write 60 months, 72 hours and 84 days?

1. 5 years, 3 days, 10 weeks
2. 5 years, 2 days, 12 weeks
3. 5 years, 3 days, 11 weeks
4. 5 years, 3 days, 12 weeks

Answer : 5 years, 3 days, 12 weeks

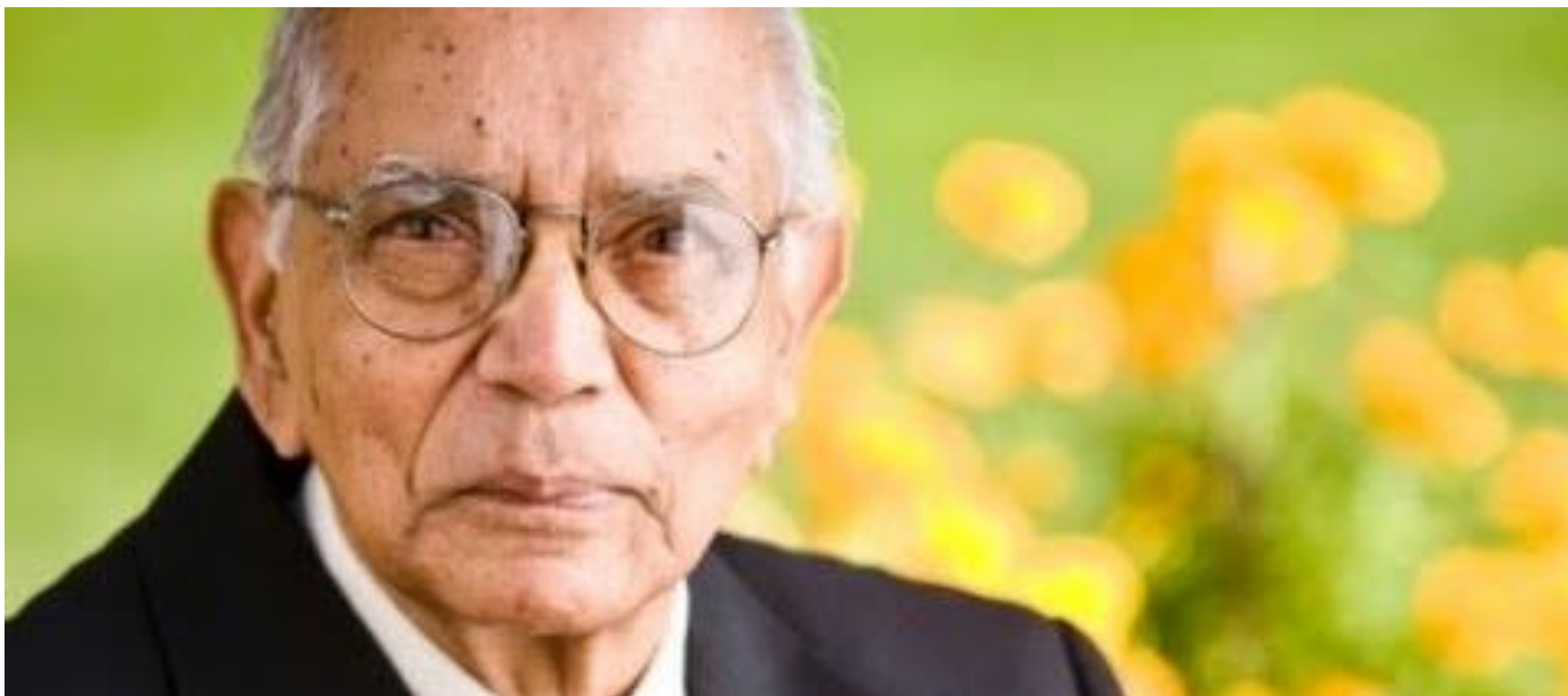
60 months = years

72 hours = days

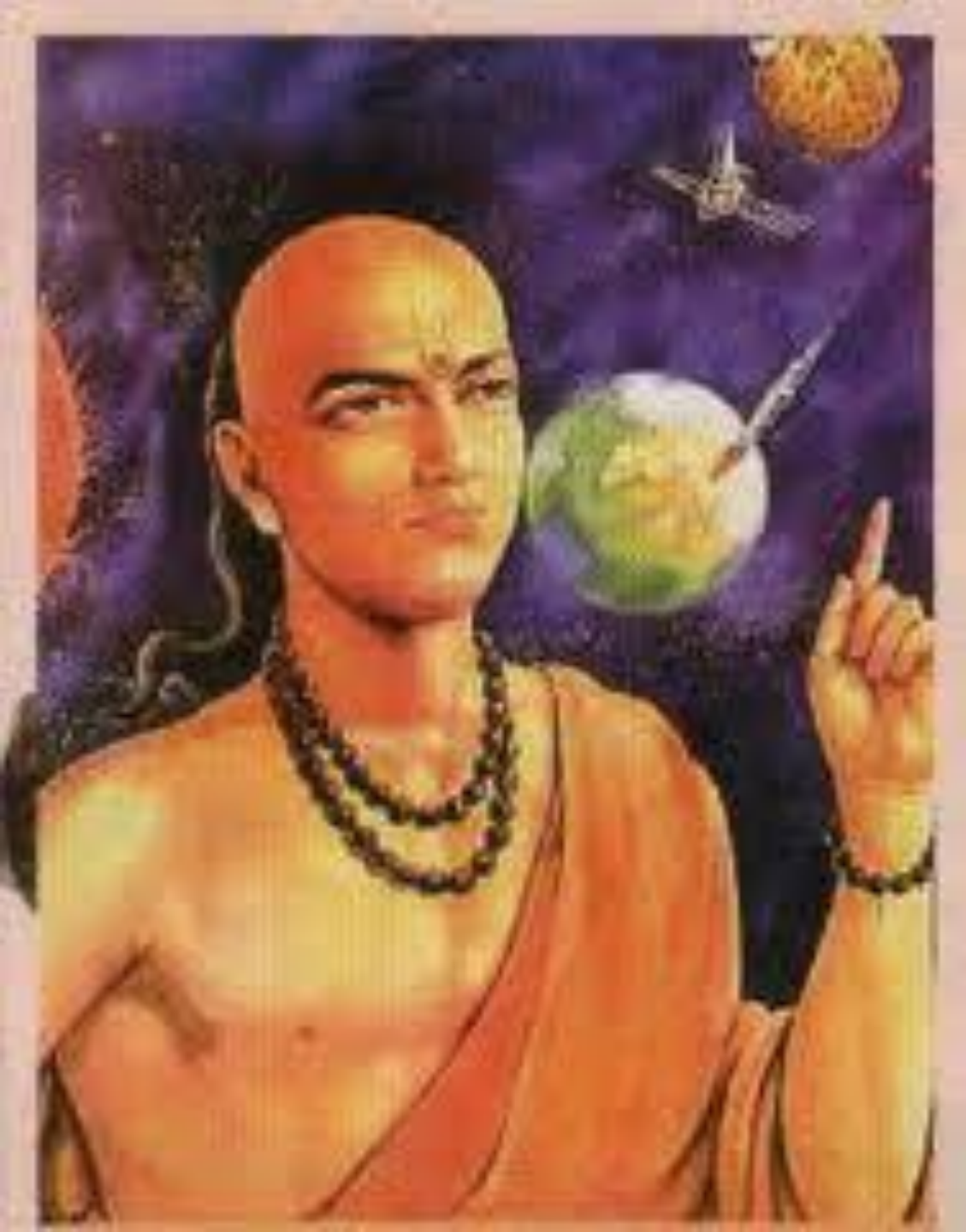
84 days = weeks



Identify the Mathematician



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Identify the
Mathematician



Identify the
Mathematician



Identify the
Mathematician

THANK YOU !