TWINKLING STAR SCHOOL, UTTAMNAGAR

GRADE-VI

HOLIDAY HOMEWORK 2024-25

English:

Glue a picture about Diwali in English N.B and write an essay (100-150 word).

Science:

Make a model of rocket form Diwali waste material.

Maths:

Diwali Related Mathematics Words Problems:

Dear Students, let's celebrate Diwali with some exciting math problems!

1. Rangoli Symmetry:

Riya made a beautiful rangoli design. The design is symmetric across 3 lines.

   a. If the rangoli is circular and divided into 12 equal sections, how many degrees is each section?
   b. How many symmetrical sections would be there if the rangoli had 6 lines of symmetry instead of 3?

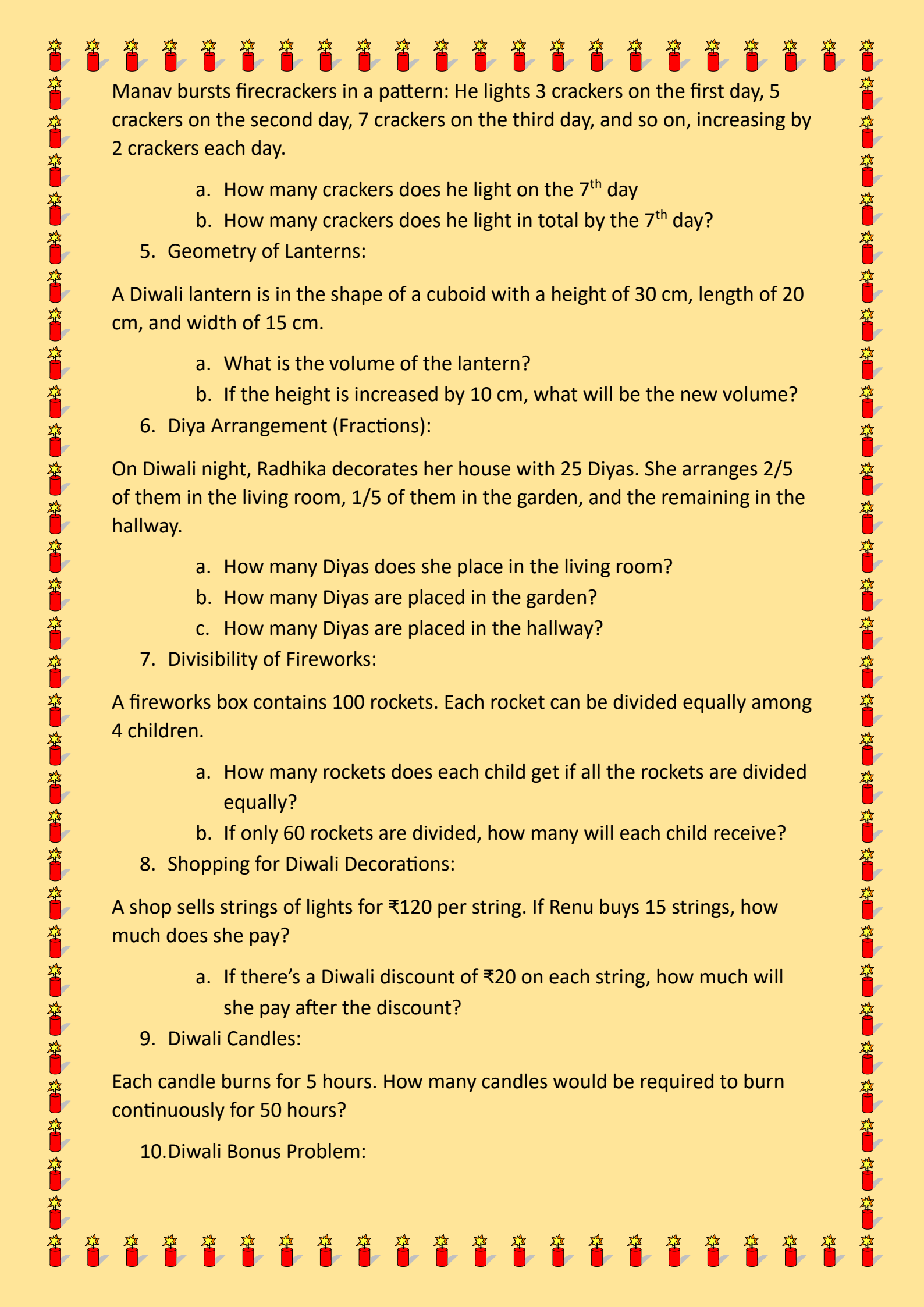2. Diwali Sweets Distribution:

Rohan bought 240 sweets for Diwali.

   a. If he distributes them equally among 8 friends, how many sweets does each friend get?
   b. If he decides to keep 40 sweets for his family and divides the rest equally among his friends, how many will each friend get now?

3. Diyas and Multiplication:

Seema lights 15 rows of Diyas, with 6 Diyas in each row.

   a. How many Diyas did she light in total?
   b. If one Diya burns for 4 hours, how many hours in total will all the Diyas burn together?

4. Firecrackers Patterns:

Manav bursts firecrackers in a pattern: He lights 3 crackers on the first day, 5 crackers on the second day, 7 crackers on the third day, and so on, increasing by 2 crackers each day.

    a. How many crackers does he light on the 7th day

    b. How many crackers does he light in total by the 7th day?

5. Geometry of Lanterns:

A Diwali lantern is in the shape of a cuboid with a height of 30 cm, length of 20 cm, and width of 15 cm.

    a. What is the volume of the lantern?

    b. If the height is increased by 10 cm, what will be the new volume?

6. Diya Arrangement (Fractions):

On Diwali night, Radhika decorates her house with 25 Diyas. She arranges 2/5 of them in the living room, 1/5 of them in the garden, and the remaining in the hallway.

    a. How many Diyas does she place in the living room?

    b. How many Diyas are placed in the garden?

    c. How many Diyas are placed in the hallway?

7. Divisibility of Fireworks:

A fireworks box contains 100 rockets. Each rocket can be divided equally among 4 children.

    a. How many rockets does each child get if all the rockets are divided equally?

    b. If only 60 rockets are divided, how many will each child receive?

8. Shopping for Diwali Decorations:

A shop sells strings of lights for ₹120 per string. If Renu buys 15 strings, how much does she pay?

    a. If there's a Diwali discount of ₹20 on each string, how much will she pay after the discount?

9. Diwali Candles:

Each candle burns for 5 hours. How many candles would be required to burn continuously for 50 hours?

10. Diwali Bonus Problem:

If a Diwali gift box contains 6 Laddoos and 8 Barfis, how many gift boxes are needed to give a total of 48 Laddoos and 64 Barfis?

SST- Visit the various historical monuments and write about their sculpture or share the picture the class teacher, your grandparents/relatives.

1) Make collage/video of the village/ place.

2) Find out information about the visited place write it in (60-70 words).

Computer:

Write the notes on the following topics:

    a) Python Programming & It's uses in real life.
    b) Pseudocode & Flowchart

Sanskrit:

दिवाळीच्या 5 दिवसांवर संस्कृतमध्ये माहिती लिहा.

मित्र/ सहेली सोबत दिवाळी या विषयावर संस्कृतमध्ये चर्चा करा, व्हिडिओ वर्ग शिक्षकांना पाठवा.

Art:

आकाशकंदील बनवा व तो तयार करतानाचा व्हिडिओ किंवा फोटो वर्ग शिक्षकांना पाठवा.

Hindi:

दिवाली की शुभकामनाएं देते हुए मित्र/ सहेली को पत्र लिखिए।

GK:

Watch BBC news and write any 10 news points in GK N.B.

😊 Happy Diwali 😊