



TWINKLING STAR SCHOOL, UTTAMNAGAR

GRADE-VII

HOLIDAY HOMEWORK 2024-25





Diwali Homework

GRADE-7

English:

Make a working model of part of speech

Maths:

Here's a Diwali-themed Mathematics homework for 7th-grade students, focusing on topics appropriate for their level. The tasks can combine festive elements and math concepts like fractions, ratios, percentages, geometry and word problems.

1. Ratio and Proportion:

During Diwali, Rina wants to decorate her house with Diyas (oil lamps) and candles. The ratio of Diyas to candles is 3:2. If she uses a total of 50 items for decoration, how many are Diyas, and how many are candles?

2. Fractions:

On Diwali, Aman made sweets. He prepared $\frac{2}{5}$ of the sweets on Monday, $\frac{1}{3}$ on Tuesday, and the rest on Wednesday. If he made 60 sweets in total:

How many sweets did Aman make each day?

What fraction of the sweets was made on Wednesday?

3. Percentages:

In a Diwali sale, a shop offers a 15% discount on a sari worth ₹2000.

What is the discount amount?

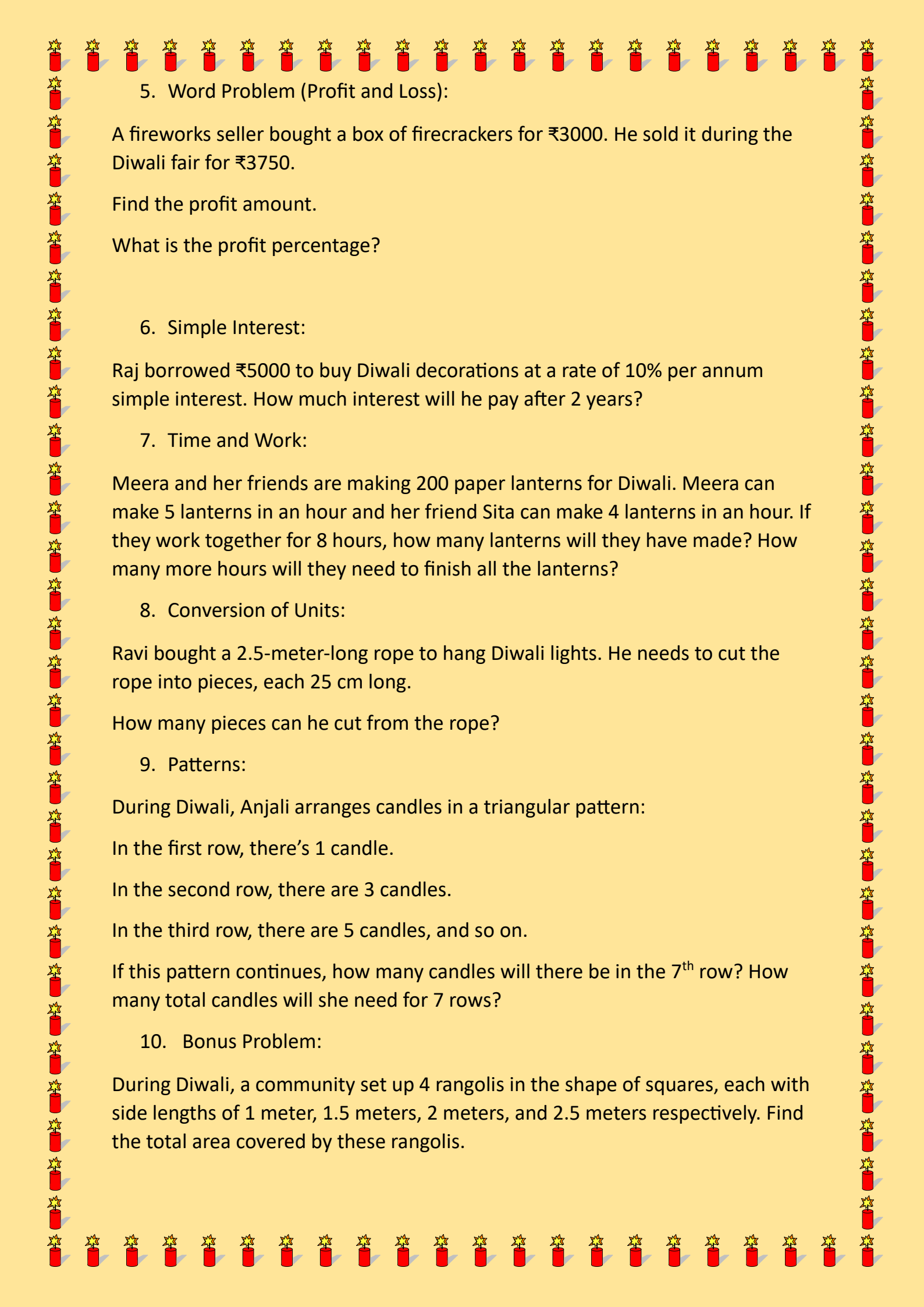
What is the price of the sari after the discount?

4. Geometry:

Ravi is decorating the floor with rangoli. He uses a circular pattern with a diameter of 2 meters.

Find the radius of the rangoli.

Calculate the area of the rangoli (Use $\pi = 3.14$).



5. Word Problem (Profit and Loss):

A fireworks seller bought a box of firecrackers for ₹3000. He sold it during the Diwali fair for ₹3750.

Find the profit amount.

What is the profit percentage?

6. Simple Interest:

Raj borrowed ₹5000 to buy Diwali decorations at a rate of 10% per annum simple interest. How much interest will he pay after 2 years?

7. Time and Work:

Meera and her friends are making 200 paper lanterns for Diwali. Meera can make 5 lanterns in an hour and her friend Sita can make 4 lanterns in an hour. If they work together for 8 hours, how many lanterns will they have made? How many more hours will they need to finish all the lanterns?

8. Conversion of Units:

Ravi bought a 2.5-meter-long rope to hang Diwali lights. He needs to cut the rope into pieces, each 25 cm long.

How many pieces can he cut from the rope?

9. Patterns:

During Diwali, Anjali arranges candles in a triangular pattern:

In the first row, there's 1 candle.

In the second row, there are 3 candles.

In the third row, there are 5 candles, and so on.

If this pattern continues, how many candles will there be in the 7th row? How many total candles will she need for 7 rows?

10. Bonus Problem:

During Diwali, a community set up 4 rangolis in the shape of squares, each with side lengths of 1 meter, 1.5 meters, 2 meters, and 2.5 meters respectively. Find the total area covered by these rangolis.

Encourage students to use diagrams for geometry problems and show detailed steps in their calculations.

Science:

Make an irrigation model by using waste materials.

SST:

Visit any two historical places and make a project on it.

Hindi:

Write one paragraph on Dipavali celebration at your house OR

Write a letter to your grandparents wishing them a very happy Dipawali.

Sanskrit:

Write an Essay on Diwali Festival in Sanskrit language.

IT:

Create working modal of Drone or Robot.

😊 Happy Diwali 😊