Task for Hindi Language Expert

Context:

This document contains an assignment for the role of Hindi Language Expert. This assignment is an opportunity to demonstrate your skills in solving real-time problems that you are likely to encounter in this role.

Your Task:

The task is divided into two parts. 1st Part will check your strengths, insights, expertise and knowledge of Academic content localization and 2nd part will test it for General and UI content localization:

1st Part:

On the next few pages you will find some Math questions in English medium. Your task is to translate them to Hindi. While you do this, keep in mind the following:

- Spelling of Hindi terms
- Grammar and sentence structure
- Contextualisation (you can change few terms in the text to make it better suited for Indian students, but ensure that the meaning of the question remains the same)
- Alignment with UP State Textbooks (remember that our target audience majorly follows Hindi-medium textbooks, so terms and language used should be aligned with their textbook)

Note:

- Do make your assumptions clear, wherever necessary.
- Feel free to call out hypotheses based on your prior experience, wherever needed.
- Your task will be reviewed with keeping below parameters in mind:
    - Meaning
    - Readability
    - Compliance
    - Linguistics
    - Consistency

Timeline & Submission guideline:

- We request you to attempt all the questions and respond to the task as a PDF.
- We request you to submit your response by attaching it to the email within 4 days of receiving it. If you need extra time, please let us know.


Good luck!

Question 1:

Kathiva has a baby pool in her backyard. Yesterday, the pool had 425 liters of water in it. This afternoon, Kathiva used a hose to add 23 more liters of water.

How many liters of water are in the baby pool now?

[_____] liters

1 / 3   To find the number of liters in the pool now, we add the number of liters yesterday (425 L) and the number of liters from the hose (23 L).
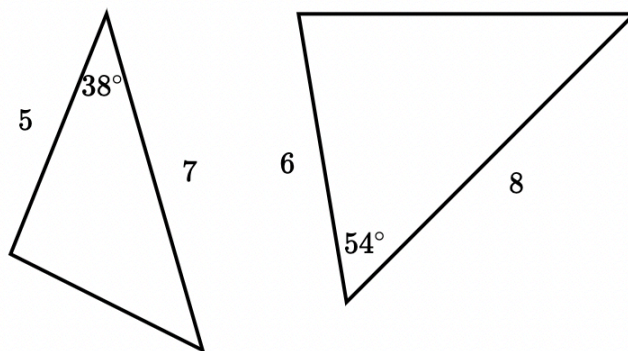
Total volume

?

425 L	23 L

Liters yesterday   Liters from hose
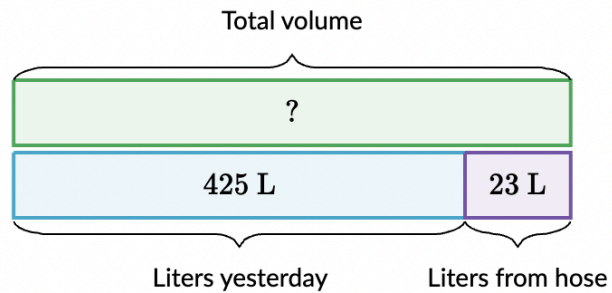
2 / 3 $425 \text{ L} + 23 \text{ L} = 448 \text{ L}$

3 / 3   There are 448 L of water in the baby pool now.

Question 2:

Consider the two triangles shown below.

Note: The triangles are not drawn to scale.

Are the two triangles congruent?

Choose 1 answer:

(A) Yes

(B) No

(C) There is not enough information to say.

1 / 3   Two triangles are congruent if they have the same shape and size. In other words, two triangles are congruent if all corresponding sides and angles are congruent.

2 / 3

In this case, we see that we have 4 distinct side lengths, so it is not possible that these form the same, 3-sided triangle.

3 / 3   **No, the triangles are not congruent.**

Question 3:

Which problem can we solve with $90 \div 10$?

Choose 1 answer:

(A) A jewelry store has 90 rings to display. They sold 10 rings. How many rings do they have left?

(B) Ernesto made 90 posters. Donna made 10 posters. How many posters do they have altogether?

(C) Rachel took 90 notecards and arranged them in piles of 10. How many piles did Rachel make?

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1 / 5 The expression $90 \div 10$ can represent 90 total items split evenly into groups of 10.

Which problem wants to split 90 into groups of 10?

2 / 5 **Jewelry store**

We want to find out how many rings are left, so we subtract $90 - 10$.

$90 \div 10$ does **not** help us solve this problem.

3 / 5 **Ernesto**

We want to find out how many posters there are, so we add $90 + 10$.

$90 \div 10$ does **not** help us solve this problem.

4 / 5 **Rachel**

We want to split the 90 notecards evenly into groups of 10. So, we divide $90 \div 10$.

$90 \div 10$ helps us solve this problem!

5 / 5 **The expression $90 \div 10$ can solve the following context:**

- **Rachel took 90 notecards and arranged them in piles of 10. How many piles did Rachel make?**

Question 4:

Find the highest common factor of 5120 and 8384.

$$\mathrm{HCF}(5120, 8384) = \boxed{}$$

1 / 4 ## Strategy

There can be a number of ways to find HCF. Let's do this using prime factorization.

To find the HCF:

1. We will prime factorize the given numbers.

2. We'll pick the **smallest** available power of all **common** prime factors.

[Show me an example.]

3. Finally, we'll multiply them to get the HCF.

Let's dig in!

2 / 4 ## Prime factorization

Writing the numbers as the product of their prime factors —

$$5120 = 2^{10} \times 5^1$$

$$8384 = 2^6 \times 131$$

Here the **common** prime factor is 2.

3 / 4 ## Finding HCF

Picking up the **smallest** power of 2,

$$5120 = 2^{10} \times 5^1$$

$$8384 = \boxed{2^6} \times 131$$

Hence,

$$\mathrm{HCF} = 2^6$$

$$= 64$$

4 / 4 **In conclusion,**

$$\mathrm{HCF}(5120, 8384) = 64$$

Question 5:

The two-way frequency table below shows data on quidditch goals blocked when a goaltender was using a luck potion or a placebo.

Complete the following two-way table of column relative frequencies.
(If necessary, round your answers to the nearest hundredth.)

	Placebo	Luck potion
Blocked the goal	30	23
Did not block the goal	8	5

	Placebo	Luck potion
Blocked the goal		
Did not block the goal		
Column total	1.00	1.00

1 / 2 Frequency table with column totals:

	Placebo	Luck potion
Blocked the goal	30	23
Did not block the goal	8	5
Column total	38	28

2 / 2 Two-way table of column relative frequencies:

	Placebo	Luck potion
Blocked the goal	$\frac{30}{38} \approx 0.79$	$\frac{23}{28} \approx 0.82$
Did not block the goal	$\frac{8}{38} \approx 0.21$	$\frac{5}{28} \approx 0.18$
Column total	$\frac{38}{38} = 1.00$	$\frac{28}{28} = 1.00$

2nd Part:
Statements:

Statement1:
Take a test to quickly level up the skills you've already learned. We'll recommend lessons for any questions you miss.

Statement2:
Your teacher must create a Khan Academy account before you can add them. Click the button to invite them to create an account.

Statement3:
Ask questions underneath any video. If you're unsure about something, you should ask. You'll learn from the community and help others who have the same question.

Statement4:
Oops! We're unable to sign you in with that username. Please sign in with your email address and then change your username to fix this issue. If you don't have an email address, contact support for help.

Statement5:
If you have a child account, your parent can reset your password at Settings > Child Accounts.

Statement6:
You don't have an email address connected to this Khan Academy account. Since you're %(age)s years old, you can connect an email address to your account so you can receive email notifications. Your linked parent will continue to be your coach unless you edit your list of coaches from your profile page.