

Problem solving – adding and subtracting fractions 2



Discover

I used $\frac{3}{7}$ of a metre of ribbon to wrap the larger present.

I used $\frac{2}{7}$ of a metre of ribbon to wrap the smaller present.



- 1 a) Aki and Bella had 2 m of ribbon before they started wrapping presents.

How much ribbon do they have left after wrapping the two presents?

- b) They wrap one more present using $\frac{4}{7}$ m of ribbon.

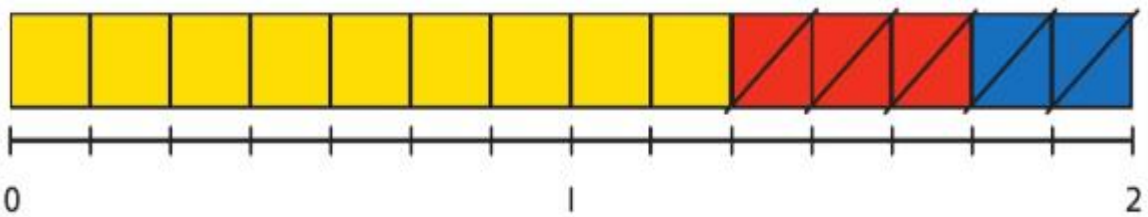
How much ribbon is left now?

Share

$$\text{a) } \frac{3}{7} + \frac{2}{7} = \frac{5}{7}$$



I will add the two lengths together to see how much ribbon they have used so far. Then I will subtract from 2.



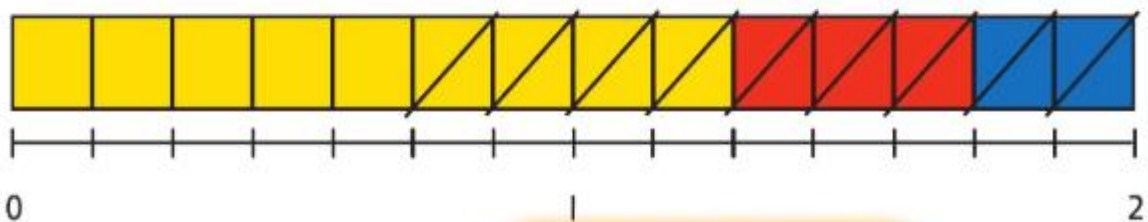
Aki and Bella use $\frac{5}{7}$ m of the ribbon in total.

The ribbon is 2 m long before they start wrapping presents.

$$2 - \frac{5}{7} = 1\frac{7}{7} - \frac{5}{7} = 1\frac{2}{7}$$

There are $1\frac{2}{7}$ m of the ribbon left.

b) Aki and Bella wrap another present using $\frac{4}{7}$ m of ribbon.



$$\frac{5}{7} + \frac{4}{7} = \frac{9}{7} = 1\frac{2}{7}$$

$$2 - 1\frac{2}{7} = \frac{5}{7}$$

There is $\frac{5}{7}$ m of ribbon left.

I subtracted the whole 1 first and then $\frac{2}{7}$ from the remaining whole.



Think together

1 Here are three jugs of juice.



$\frac{4}{10}$ full



$\frac{3}{10}$ full



$\frac{2}{10}$ full

Richard wants to pour all the juice into 1 jug. Will it fit?

$$\frac{\square}{\square} + \frac{\square}{\square} + \frac{\square}{\square} = \frac{\square}{\square}$$

$$\frac{\square}{\square} \quad \bigcirc \quad 1$$

I think I need to put a sign in the circle. Is the amount of juice greater (>) or less (<) than 1?



The juice _____ all fit into 1 jug.

2 Here are three more jugs of juice.



$\frac{5}{8}$ full



$\frac{7}{8}$ full



The jugs are all poured together and completely fill 2 jugs.

What fraction of the third jug is filled with juice?

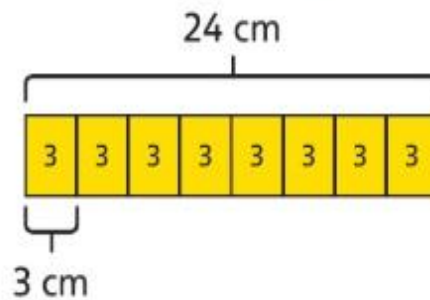
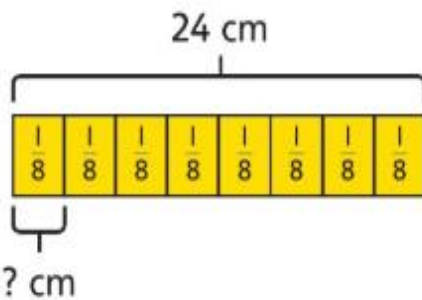
The third jug is $\frac{\square}{\square}$ filled with juice.

Share

a) The largest doll is 24 cm tall.

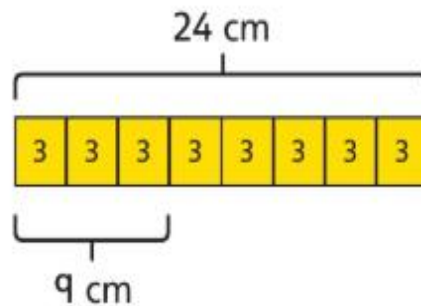


I will split my fraction strip into 8 sections because I need to work out $\frac{1}{8}$.



$24 \div 8 = 3$, so the smallest doll is 3 cm tall.

b)



$24 \div 8 = 3$, so $\frac{1}{8} = 3$ cm

3×3 cm = 9 cm, so $\frac{3}{8} = 9$ cm

The middle doll is 9 cm tall.

If I know $\frac{1}{8}$ is 3 cm, I can multiply this by 3 to find $\frac{3}{8}$.



- Please practice your **timetables**.
(Purple mash- Monster multiplication)
- Check the **Mathletics** website to see and complete the tasks that have been set.
<https://www.mathletics.com/uk/>

Writing

Thursday: 26-3-20

Thursday- Spend 60 minutes of time on this task.

You are going to choose an exciting part of your chosen book and turn it into a play script.

Look through your book and choose an exciting chapter, one with lots of action and characters will be most successful.

Write this date and LO in your books

LO: To write a play script for _____ the name of your book goes here.

Scene 1

Act 1

Characters.....

Props and costumes.....

Setting description.....

Actor: (stage direction).....

Keep writing your script until you have completed 2 or more pages...

Features of a Play Script Checklist

Have I...	✓
included a cast list?	
included a props and costumes list?	
used a narrator?	
put the speakers' names on the left?	
written dialogue without speech marks?	
structured my play using scenes?	
written stage directions in brackets?	
considered how the play will be performed?	
used standard and non-standard English appropriately?	
used punctuation effectively?	

Self-mark ... mark your work, putting a tick in the margin if you can spot any of these features.

Copy out this sentence in a red pen/ pencil under today's work.

I have usedof the features in my script.

Writing

Thursday: 26-3-20

Daily Reading:

- Read every day for at least 30 mins.
- Ensure you read a selection of texts including fiction and non-fiction.
- Fill in your **GREEN** reading record book.

Daily diary:

- Complete a daily diary of **what work and activities you do**, remember to include your **emotions** and **opinions**.

