



HOME LEARNING

YEAR 6

11/06/2020

Morning Message

Good morning Year 6,

The answer to yesterday's riddle is: *a barber*. Today's riddle is from Oliver M: *I can be told and make you crazy. People don't like me and think I am harmful. What am I?*

Today's joke is from Sofia L: *What do you call a snowman in the summer? A puddle!*

Have a great day,

Mr Larke and Ms Yerlisu

Week's Picture



Writing

Wednesday and Thursday LO: to write the body of a persuasive speech

Today you will be continuing to write the main body of your persuasive speech.

Example on 'how easy it is to use' paragraph

Maurice is incredibly easy to use with a simple set-up and instinctive controls. When a customer has charged him for the first time, they will need to ensure that their voice is recognised. The booklet that is included gives simple, easy-to-follow instructions on how to do this. The next step is to ensure that the fridge-freezer is fully stocked with milk and flavourings (all of which can be bought from our online stores thus maximising further profit). Then, voila! Maurice is then ready to go! It is as simple as that. Battery life lasts over 24 hours and Maurice is capable of understanding 15 different voice commands ranging from "Bring me a chocolate milkshake" to "turn off" to "return to charging point".

Success criteria:

- include a range of formal and informal language. Formal to ensure you sound professional and knowledgeable about your product; informal to build connection with audience
- include facts/statistics about your product
- proof-read and edit every sentence

Reading

Day 4: pupil questions.

Write 3 on-the-line questions

Write 2 between the lines questions

Write 1 beyond-the-text question

Maths

In this lesson, you will link your prior knowledge of finding equivalent fractions with common denominators to adding and subtracting fractions.

- You must add and subtract fractions that have the same denominator.
- You must find the lowest common multiple of two or more numbers to have a common denominator.
- Use known multiplication facts to find common factors for simplifying fractions.

Calculating – adding and subtracting common fractions

How do we add or subtract fractions? Look at this example:

We had a movie marathon on the weekend. On Saturday, we watched movies for $7\frac{1}{4}$ hours and on Sunday we watched for $5\frac{1}{4}$ hours. How many hours did we spend watching movies in total?

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

First we add the whole numbers: $7 + 5 = 12$. Then we add the fractions: $\frac{1}{4} + \frac{1}{4} = \frac{2}{4}$

Then we add the two answers together: $12 + \frac{2}{4} = 12\frac{1}{2}$

We use the same process to subtract fractions.

1 Solve these problems:

a $\frac{1}{3} + 2\frac{1}{3} = \square \frac{\square}{\square}$

b $2\frac{3}{4} - 1\frac{2}{4} = \square \frac{\square}{\square}$

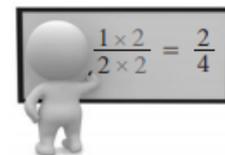
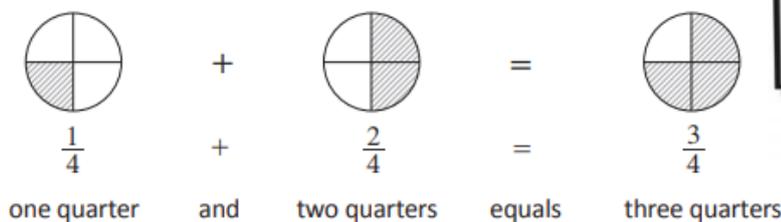
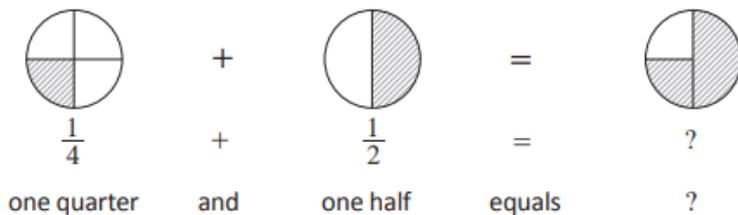
c $1\frac{2}{5} + 3\frac{1}{5} = \square \frac{\square}{\square}$

d $\frac{1}{5} + 6\frac{2}{5} = \square \frac{\square}{\square}$

e $1\frac{3}{12} - \frac{1}{12} = \square \frac{\square}{\square}$

f $7\frac{4}{12} - 3\frac{2}{12} = \square \frac{\square}{\square}$

Adding and subtracting fractions with a different denominator



Simplify these expressions which have fractions with different denominators

(i) $\frac{2}{3} + \frac{1}{5}$

For $\frac{2}{3}$ and $\frac{1}{5}$ ← Denominators are different

$$\therefore \frac{2}{3} + \frac{1}{5} = \frac{2 \times 5}{3 \times 5} + \frac{1 \times 3}{5 \times 3}$$

The LCM of the denominators is 15



$$= \frac{10}{15} + \frac{3}{15}$$

Equivalent fractions with LCM denominators

$$= \frac{10+3}{15}$$

Add the numerators **only**

$$= \frac{13}{15}$$

Multiply top **and** bottom by the number used to make the denominator equal to the LCM

(ii) $\frac{7}{8} - \frac{1}{2} + \frac{3}{4}$

For $\frac{7}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$ ← Denominators are all different

$$\frac{7}{8} - \frac{1}{2} + \frac{3}{4} = \frac{7}{8} - \frac{1 \times 4}{2 \times 4} + \frac{3 \times 2}{4 \times 2}$$

The LCM of all the denominators is 8

$$= \frac{7}{8} - \frac{4}{8} + \frac{6}{8}$$

Equivalent fractions with LCM in the denominators

$$= \frac{7-4+6}{8}$$

$$= \frac{9}{8}$$

Simplify the numerator

$$= 1\frac{1}{8}$$

Simplify to mixed numeral

QUESTION 1 Work out the addition or subtraction of the following fractions.

a $\frac{1}{2} + \frac{1}{6} =$ _____

b $\frac{1}{4} + \frac{1}{20} =$ _____

c $\frac{1}{5} + \frac{3}{4} =$ _____

d $\frac{1}{2} - \frac{1}{4} =$ _____

e $\frac{1}{3} - \frac{1}{6} =$ _____

f $\frac{2}{3} - \frac{1}{6} =$ _____

g $\frac{1}{2} + \frac{1}{3} =$ _____

h $\frac{1}{3} + \frac{1}{4} =$ _____

i $\frac{1}{5} + \frac{1}{7} =$ _____

j $\frac{1}{3} - \frac{1}{4} =$ _____

k $\frac{1}{5} - \frac{1}{12} =$ _____

l $\frac{1}{4} - \frac{1}{8} =$ _____

QUESTION 2 Find the value of:

a $\frac{7}{10} + \frac{2}{5} =$ _____

b $\frac{3}{5} + \frac{7}{15} =$ _____

c $\frac{1}{2} + \frac{3}{5} =$ _____

d $\frac{3}{4} - \frac{1}{3} =$ _____

e $\frac{3}{4} - \frac{1}{2} =$ _____

f $\frac{8}{15} + \frac{3}{5} =$ _____

g $\frac{2}{3} + \frac{3}{4} =$ _____

h $\frac{3}{4} + \frac{4}{5} =$ _____

i $\frac{4}{5} + \frac{5}{6} =$ _____

j $\frac{3}{4} + \frac{1}{2} =$ _____

k $\frac{3}{4} + \frac{1}{3} =$ _____

l $\frac{3}{4} + \frac{1}{5} =$ _____

Solving Problems with Fractions!

1. You give $\frac{1}{3}$ of box of brownies to Ella and $\frac{1}{6}$ of the pan of brownies to Nick. How much of the box of brownies did you give away?
2. James went out for a long walk. He walked $\frac{3}{4}$ mile and then sat down to take a rest. Then he walked $\frac{1}{8}$ of a mile. How far did he walk altogether?
3. Sam walks $\frac{7}{8}$ of a mile to school. Alice walks $\frac{1}{2}$ of a mile to school. How much farther does Sam walk than Alice?
4. Billy made two types of cookies. He used $\frac{2}{3}$ cup of sugar for one recipe and $\frac{1}{4}$ cup of sugar for the other. How much sugar (in cups) did he use in all?
5. There is $\frac{3}{8}$ of a pizza in one box and $\frac{1}{4}$ of a pizza in another box. How much do you have altogether?
6. $\frac{1}{10}$ of the M&M's in a bag are red and $\frac{1}{5}$ are blue. What fraction of all the M&M's are red and blue?
7. A jug contains $\frac{3}{4}$ pints of orange juice. After you pour $\frac{5}{8}$ of a pint into a glass, how much is left in the jug?
8. Jackie has $\frac{1}{3}$ of a Galaxy bar. Nathan has $\frac{4}{12}$ of a Galaxy bar. How much do they have together?
9. At a class party $\frac{3}{6}$ of a vegetarian pizza and $\frac{1}{3}$ of a meat-feast pizza were eaten. How much pizza was eaten altogether?
10. Amy ran $\frac{2}{3}$ of a marathon. Beth ran $\frac{5}{6}$ of a marathon. Who ran farther? How much farther?
11. Liam and Sam shared a chocolate bar. Liam ate $\frac{3}{5}$ and Sam ate $\frac{4}{10}$. Who ate more? How much more?
12. A running track is one kilometre long. If I jog for $\frac{1}{6}$ km and run for $\frac{2}{3}$ km will I complete the full distance of the track?

Rising Stars Higher Revision P18-Question Workbook P20

Rising Stars Expected S. Revision P25-Question Workbook P22

Weekly Spellings

You should continue to revise words/spelling patterns from the KS2 National Curriculum that you have identified as necessary. We have provided a bank of words for you to begin learning if you feel you are totally secure in your knowledge of KS2 words. Remember, it is more important that you revise all necessary spelling patterns first.

The following words are from word banks that you will begin to learn at secondary school. These particular words contain what are known as 'unstressed' vowels. That means when you speak the words, you don't sound out all the vowels e.g. *abominable* You don't really hear the *i* vowel when reading it. Your job for week 2 is to learn the words in first list ie. from *conference* to *doctor*

abandoned	conference	easily	generous	library	offering	similar
abominable	consonant	explanatory	geography	literacy	original	skeleton
alcohol	corporal	extra	grammar	literate	parallel	smuggler
animal	deafening	factory	heaven	literature	parliament	stationary
astronomy	definite	familiar	history	locomotive	poisonous	stationery
benefit	definitely	family	holiday	lottery	predict	telephone
boundary	describe	fattening	hospital	margarine	prepare	television
business	description	February	illiterate	marvellous	primary	vegetable
carpet	desperate	flattery	interest	mathematics	prosperous	voluntary
category	dictionary	formal	interested	medicine	reference	Wednesday
Catholic	difference	freedom	January	memorable	Saturday	widening
centre	different	frightening	jewellery	messenger	secretary	
company	disinterest	general	journalist	miniature	separate	
compromise	doctor	generally	lettuce	miserable	signature	

Foundation Topic Work (for the week)

This week, continuing with our science topic of electricity, we will be looking at the inventor Thomas Edison, who developed the first commercial light bulb. Your job is to research his life then write a fact file about his life and invention. The task has been set for you on Purple Mash.

Diary

Write a diary of what work and activities you did today. Remember to include your thoughts, feelings and opinions.