

## Year 5 Learning at Home Session 5

### Maths

We have been learning about fractions in Maths. Use your knowledge of fractions to solve the following word problems:

## Fraction Word Problems

1. Olivia went out for a walk. She walked  $\frac{3}{4}$  of a mile and then sat down to take a rest. Then she walked  $\frac{1}{8}$  of a mile. How far did she walk altogether?
2. Noah made two types of biscuits. He used  $\frac{3}{8}$  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?
3.  $\frac{1}{10}$  of the coloured chocolates in a bag are red and  $\frac{1}{5}$  are blue. What fraction of the coloured chocolates are red and blue?
4. Emily has  $\frac{1}{3}$  of a chocolate bar. Nathan has  $\frac{5}{12}$  of the chocolate bar. How much do they have together?
5. Grace ran  $\frac{2}{3}$  of a marathon. Anita ran  $\frac{5}{6}$  of a marathon. Who ran further? What fraction further?
6. A running track is one kilometre long. If I jog for  $\frac{1}{6}$  km and sprint for  $\frac{2}{3}$  km will I complete the full distance of the track?
7. You give  $\frac{1}{3}$  of a box of cakes to Anna and  $\frac{1}{6}$  of the box of cakes to Haris. How much of the box of cakes did you give away?
8. Peter walks  $\frac{7}{8}$  of a mile to school. Layla walks  $\frac{1}{2}$  of a mile to school. How much farther does Peter walk than Layla?
9. There is  $\frac{7}{10}$  of a pizza in one box and  $\frac{2}{5}$  of a pizza in another box. How much more is there in the first box compared to the second box?
10. A jug contains  $2\frac{3}{4}$  litres of orange juice. After you pour  $\frac{5}{8}$  of a litre into some glasses, how much is left in the jug?
11. At a class party,  $\frac{3}{8}$  of a vegetarian pizza and  $\frac{1}{2}$  of a meat-feast pizza were eaten. How much pizza was eaten altogether?
12. Harry and Dele shared a chocolate bar. Harry ate  $\frac{2}{5}$  and Dele ate  $\frac{3}{10}$ . Who ate more? What fraction more?



Diving Deeper: Generate your own fraction word problems for someone in your house to solve. Don't forget to check their answers!

[illegible]

## English

In English we have been learning about direct and indirect speech. Use your learning to correct and re-write the extract below:

Remember: New Speaker, New Paragraph!

### Missing Punctuation



I can punctuate direct speech.

Someone has removed all of the punctuation from the extract below. Can you improve it by adding the correct punctuation?

Use these punctuation marks:

?	!	,	“ ”	.
Question mark	Exclamation mark	Comma	Inverted commas	Full stop

**Don't forget** to start a new line for each new speaker! **You will need to rewrite the extract.**

Any sign of ghosts Charlie called from the stairway behind her Not unless they're hiding beneath all this dirt Eh Charlie poked his head around the door Ah-chooo His sneeze sent a mini ash cloud rolling across the walls It's empty he said He bustled past her striding out into the middle of the room Thick shafts of bright yellow sunshine flooded through large skylights How can this room be empty Unlike Tilda Charlie had hoped to find piles of junk and bric-a-brac that he could sell online The rest of the house was filled with clutter This doesn't make sense Tilda shrugged as she moved to explore an empty space in the farthest corner of the attic There were no signs that the room had ever been used

Maybe the stairs were too steep for Professor Howe  
Are you kidding Mum said Professor Howe was only in  
his early forties Charlie reminded her and he was a  
treasure hunter remember I doubt he'd let a single set  
of stairs stand in his way

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

We have been learning about The Moon in Science, read and answer these comprehension questions.

# The Moon

Do you ever look up in the sky at night and see the Moon shining down and lighting up the night-time town? Do you sometimes wonder what it would be like to visit the Moon or wonder why it shines so bright? Well here's some information that might interest you...

## **Moon and Sun:**

The Moon shines very brightly, but is only reflecting the light of the Sun it can't make its own light. When the Sun comes back up for our day time we think that the Moon goes away but it doesn't, it's just harder to see because it is so bright. Sometimes, if you look carefully, you can see the Moon in the sky during the day time.



## **Did you know?**

**Average temperature in the day: 107°C**

**Average temperature at night: -153°C**

**Distance from Earth: 238,857 miles**

**Diameter: 2,160 miles**

**Length of Day: 708 hours**

**Selenophobia is fear of The Moon**

## **Orbit:**

The Moon is the Earth's only satellite (that means something that orbits a larger object). It takes the Moon about 28 days to orbit the Earth once, we call this a lunar month. During this time we only ever see the same side of the Moon as it rotates slowly whilst it moves around us.

During its orbit the Moon is sometimes covered by a shadow of the Earth, this is what gives us the phases of the moon, when it is waxing (growing bigger) and waning (getting smaller) with shapes including crescent and gibbous.

## **Moonwalking:**

Only 12 people have ever walked on the Moon! The first person to do this was Neil Armstrong on 20th July 1969. There were two other men on the mission: Buzz Aldrin and Michael Collins and they all travelled on the Apollo 11 shuttle.

You may have seen a film of people walking on the Moon and it isn't quite the same as walking on the Earth...walking on the Moon looks bouncy because the Moon's gravity is not as strong as the Earth's, so people take longer to fall back down when they are up in the air.

# Questions About The Moon

1. How many people were on the first moon landing mission?

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2. How does the moon look like it lights up when it doesn't?

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3. What is a satellite?

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4. How much colder is the Moon at night than in the daytime?

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5. What causes the shadow on the Moon?

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6. Why is the Moon colder than Earth at night?

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7. Where does the Moon go in the daytime?

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8. How long does it take the Moon to orbit the Earth?

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9. How far did Neil Armstrong travel to get to the Moon?

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10. Work out how long it would take a car travelling at 70mph to get to the Moon.

a: In hours

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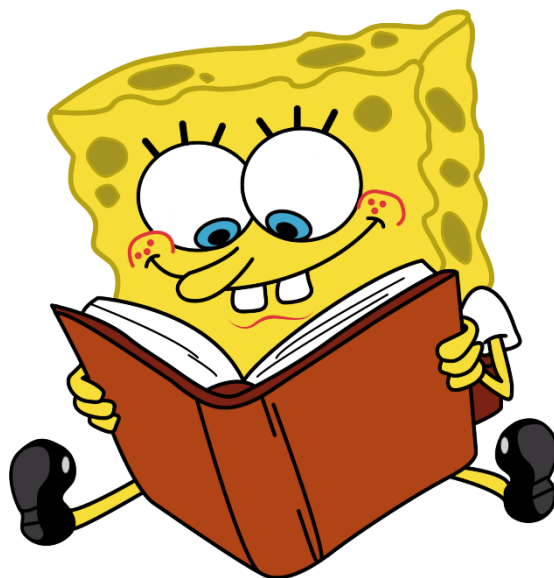
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b: In days

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*Please remember to continue reading your books at home and filling in your diaries.*





Can you remember a poem that you have said in class?  
Consider how you could use your sound effects from  
yesterday to create a performance?

#### The Tin Can Band

Oh, the tin can band!  
Oh, the tin can band!  
It's the dinniest band  
In the big bright land.  
It's a sing-song band, it's a bing-bong band.  
It's a miss-a-beat, have-a-treat, skippy-feet-band,  
As we march along with our pots and pans,  
And we bing and bong on our old tin cans.

We're a-singing and a-singing to the binging and the bonging.  
We're escaping and a-slipping out  
On every hand.

And it sounds like a battle  
When our tin cans rattle,  
When our tin cans rattle  
And our tin cans clang.  
Yes, it's sounding like the prattle and the tattle of a battle  
Like a merry monster cannon going  
BANG, BANG, BANG!

Though silence falls when the band's gone by,  
And the street is bare to the hills and sky,  
There's a nitter and a natter,  
And a tiny tinny patter,  
Like a whisper (only crisper)  
Like a tine toy's sigh,  
And a flutter like a mutter,  
Like a sunny sort of stutter,  
Going giggling down the gutter  
Where the funny echoes die.

#### Margaret Mahy

(published in "Exploring Poetry 8 – 13" Brian Merrick)

#### **COLONEL FAZACKERLEY**

Colonel Fazackerley Butterworth-Toast  
Bought an old castle complete with a ghost,  
But someone or other forgot to declare  
To Colonel Faza that the spectre was there.

On the very first evening, while waiting to dine,  
The Colonel was taking a fine sherry wine,  
When the ghost, with a furious flash and a flare,  
Shot out of the chimney and shivered, 'Beware!'

Colonel Fazackerley put down his glass  
And said, 'My dear fellow, that's really first class!  
I just can't conceive how you do it at all.  
I imagine you're going to a Fancy Dress Ball?'

At this, the dread ghost made a withering cry.  
Said the Colonel (his monocle firm in his eye),  
'Now just how you do it, I wish I could think.  
Do sit down and tell me, and please have a drink.'

The ghost in his phosphorous cloak gave a roar  
And floated about between ceiling and floor.  
He walked through a wall and returned through a pane  
And backed up the chimney and came down again.

Said the Colonel, 'With laughter I'm feeling quite weak!'  
(As trickles of merriment ran down his cheek).  
'My house-warming party I hope you won't spurn.  
You MUST say you'll come and you'll give us a turn!'

#### **Charles Causley**



## PSHE

In PSHE we have been learning about the importance of saving money. Use your learning to design a board game based on buying and selling (similar to Monopoly). There's a template on the next page to help you!

Ask someone in your house if they can play with you to test it out.





## Money Spending Board Game

Use this sheet to design your own board game around buying and selling products. In the game, players will need to borrow money from each other. Can you create budgets and salaries for players to work from? You could even include task cards where players get paid a bonus or pay a penalty!



Task Cards

## Keeping Active

Time to get moving! Find a space in your house to get your body moving and heart pumping along with these activities. Each of the activities below should be completed twice for 35 seconds with a 25-second break in between (e.g. 35 seconds of squats, 25-second break, another 35 seconds of squats, 25 second break, 35 seconds of running on the spot etc.):

### Mummy Kicks

1. Put your arms out in front of you and cross your hands over each other.
2. As you do this, begin kicking your feet out in front of you as well.
3. Continue crossing your hands, one above the other, alternating the hand on top, as you kick your feet.

**This is a great one for your coordination!**



### Squat, Squat, Lunge, Lunge

1. Start with your feet a bit wider than shoulder-width apart.
2. Squat down twice.
3. Lunge back with one leg, return to standing and then lunge back with the other leg.
4. Repeat.

**Try to stay balanced throughout the exercise.**



## Mountain Climbers

1. Start on the floor in a press-up position.
2. Bring each knee up to your chest one at a time.

**You will feel this in your arms and upper body!**

**Stop and shake it off for a few seconds if it gets too hard! You've got this!**



## Sprinting on the Spot

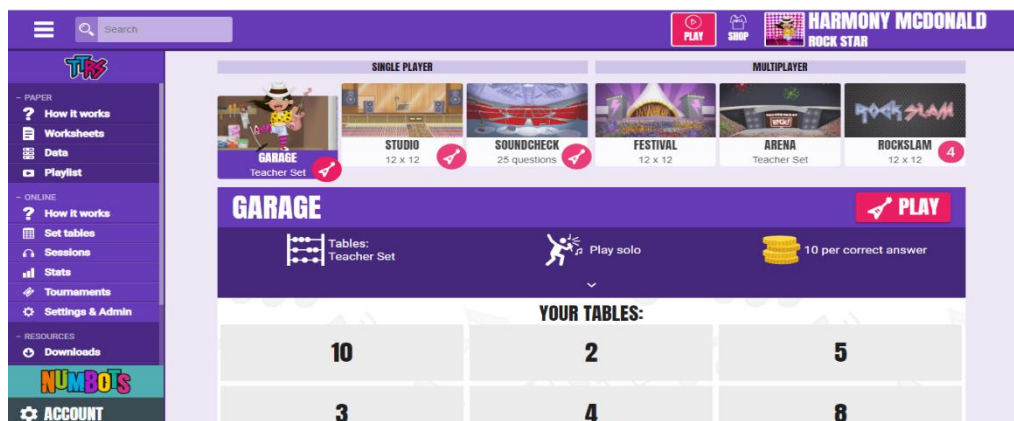
1. Sprint on the spot as fast as you can.
2. Pump with your arms at the same time.

**Can you alternate between low, fast sprinting and high-knee sprinting?**

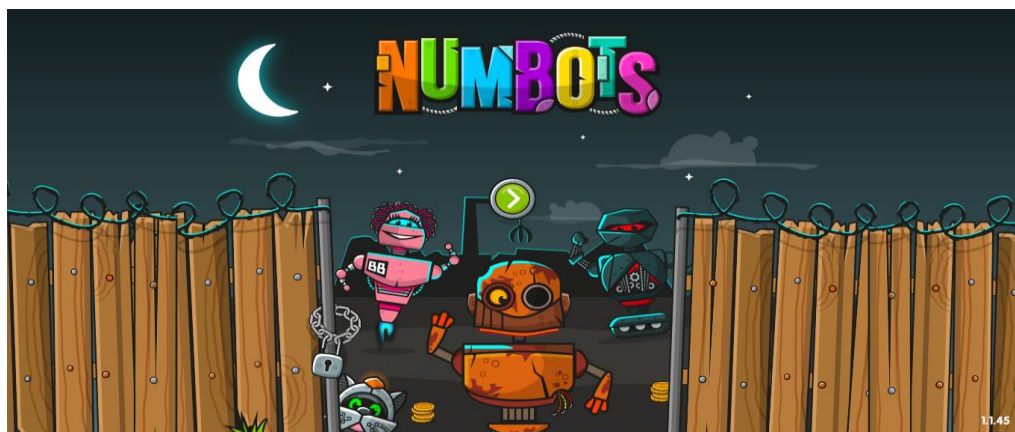


*Don't forget to use the websites we have set up for you!*

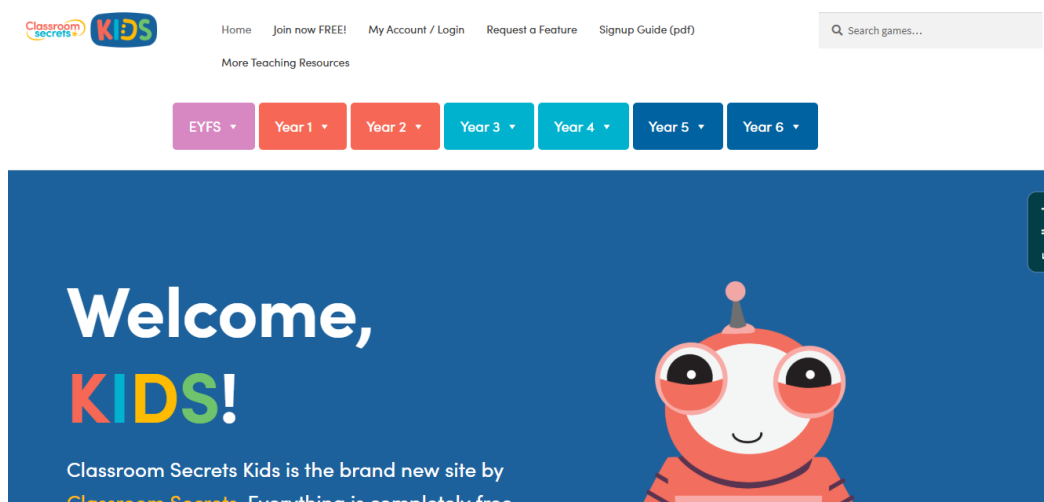
Times Tables Rockstars: <https://trockstars.com/>



NumBots: <https://play.numbots.com/>



Kids Classroom Secrets: <https://kids.classroomsecrets.co.uk/>



	9:30- 10:30	10:30- 10:45	10:45- 11:00	11:00- 12:30	12:30- 1:30	1:30- 2:30	2:30
Monday	Maths	Brain Break	Keeping active	English	Lunch	History	Down Time
Tuesday	Maths	Brain Break	Keeping active	English	Lunch	Science	Down Time
Wednesday	Maths	Brain Break	Keeping active	English	Lunch	Art	Down Time
Thursday	Maths	Brain Break	Keeping active	English	Lunch	RE	Down Time
Friday	Maths	Brain Break	Keeping active	English	Lunch	PSHE	Down Time

We have included some Brain Break Ideas on the School Website along with this Learning from Home pack.