

A decorative border of red hearts surrounds the text. The hearts are arranged in a rectangular frame, with one heart in each corner and a row of hearts along each side.

Sycamore

Homework Portfolio

Autumn 2

Name _____

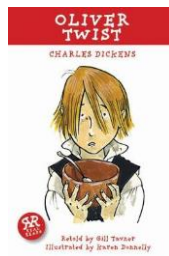
Homework is to be handed in the week beginning **18th December**.

Final hand in date is **Wednesday 20th December**.

English: Comprehension and

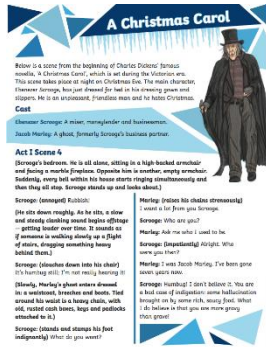
SPaG focus

In reading sessions this half term we will be focussing on Gill Tavner's version of 'Oliver Twist.' The story was originally written by famous writer, Charles Dickens.



Comprehension

homework: For your homework, I would like you to read the play script attached in this pack from a scene from Charles Dickens' famous novella, 'A Christmas Carol'. The story is set during the Victorian era. I would like you to read the play script and then have a go at answering the comprehension questions that follow. Remember to read the play script carefully and to highlight important information to help you retrieve key information.



SPaG: Complete the spelling, punctuation and grammar worksheet attached.

Spellings: Spellings for the term have been given out, please see Miss Allen if you need a spare. Spelling tests will take place every Friday – please remember to practise them during the week!

Art:

Wayne Thiebaud

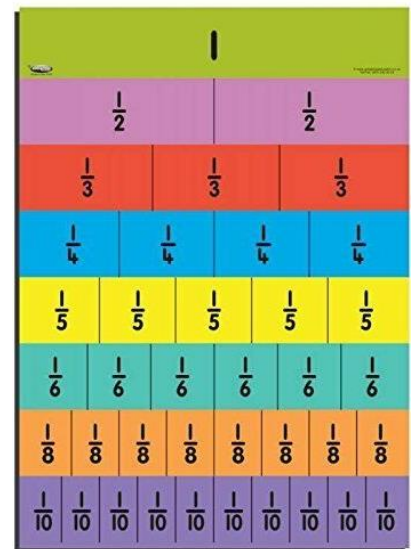
This half term we are studying the artist, Wayne Thiebaud. I would like you to recreate your own version of his famous 'cake' artwork. You can draw multiple cakes or just one large one. You could paint, colour using felt pens, use collage – be creative! It might make me hungry but I am looking forward to seeing what you create!



Mathematics:

Fractions

Later on in this half term we will be exploring fractions. Watch the useful video links attached to recap your learning from fractions last year.



Complete the fractions worksheets attached.

I have attached a blank fraction wall so you can make your own to help you with your fraction work. You might wish to colour your fraction wall like the one here.

I have set a TTR battle for Year 5 for w.b. 13.11.23. Who will win?

Mathematics:

This half term I would like you to focus on your 6x, 7x, 8x times tables and division facts. There are extra sheets attached for you to complete.

Science:

Mixtures and Reactions:

This half term we will be learning about Mixtures and Reactions. I have attached an experiment for you to have a go at home with your family.



What do you think will happen? Record your predictions. Take video or photograph of what happens during the experiment so you can watch it back and record your results.

Teach Active – PE/Maths:

Complete some of the physical activities attached in the homework pack linking to Mathematical objectives covered this term. You could rate which activities you liked the most or take photographs of you completing the activities.

Dear Parents,

I would like to thank you for supporting your child's learning. If you require any extra paper to complete these tasks, please let me know. The list below provides useful websites that may support your children to complete their homework.

I look forward to seeing the amazing things that I know Year 5 will produce!

Miss Allen



Useful Websites:

English

Modal verbs: <https://classroom.thenational.academy/lessons/to-explore-modal-verbs-c9k34d?activity=video&step=1> From 09:22

Modal verbs: <https://www.bbc.co.uk/bitesize/topics/zwwp8mn/articles/zps4pbk>

Pronouns: <https://www.bbc.co.uk/bitesize/topics/zwwp8mn/articles/z37xrxw>

Prefixes and suffixes: <https://www.bbc.co.uk/bitesize/topics/z8mxrwx/articles/z9hjwxs>

Year 5 Grammar <https://www.bbc.co.uk/bitesize/topics/zwwp8mn/year/zhgppg8>

Mathematics:

White Rose Year 4 - <https://vimeo.com/775119451> Understand the whole.

White Rose Year 4 - <https://vimeo.com/775116215> Convert mixed numbers to improper fractions.

White Rose Year 4 - <https://vimeo.com/775116499> Convert improper fractions to mixed numbers.

White Rose Year 4 - <https://vimeo.com/775116742> Equivalent fractions on a number line.

Science:

Oak Academy - Separating Mixtures <https://classroom.thenational.academy/units/separating-mixtures-9713>

<https://www.bbc.co.uk/bitesize/topics/zryycdm/articles/z7dcbqt> Chemical reactions and reversible changes

<https://www.bbc.co.uk/bitesize/subjects/z2pfb9q> - Year 5

Art:

You Tube videos - please follow E-safety rules and have parental consent.

<https://www.youtube.com/watch?v=zbyguYr4zJU> 'How to draw Wayne Thiebaud inspired art'

<https://www.youtube.com/watch?v=JB6h-mjHp-M> Wayne Thiebaud - Cakes

All about Wayne Thiebaud https://kids.kiddle.co/Wayne_Thiebaud

Do you find it tricky to hand all of your homework in on time? Worried you've missed sections out? You *may choose* to follow this weekly schedule to help you get all of your work done!

Autumn Term 2		
Week Beginning	What homework should I complete?	Completed?
07.11.22	<p>English: have a read of the English play script to familiarise yourself with the information.</p> <p>Maths: Practice your times tables - remember that practice makes perfect! Keep using TTR and Mathletics - these are fun ways to practice.</p> <p>Art: Look at examples of Wayne Thiebaud's work. Decide if you are going to draw multiple cakes or one cake. Look at different examples of cakes.</p>	
14.11.22	<p>Maths: You can make a start on the activities attached to the homework pack this week. Keep practicing your times tables too!</p> <p>Art: Research our artist. Sketch out your idea on paper or cardboard.</p> <p>PE: Complete one of the active Mathematics activities.</p>	
21.11.22	<p>English: Have a go at the first half of the questions on the comprehension task. I would re-read the play script before you start and highlight any key information to help you.</p> <p>Maths: Keep going with your worksheets! And don't forget your times tables - your hard work will pay off!</p> <p>Science: Read through the experiment. Complete. Remember to take photographs if you can.</p>	
28.11.22	<p>English: Keep going with your comprehension questions if you haven't finished them! You might also want to have a go at your SPaG activity mat. If you are unsure of anything BBC Bitesize have lots of useful information on SPaG topics - have a look!</p> <p>PE: Complete one of the active Mathematics activities.</p> <p>Art: Paint or colour your artwork. Take care to move the pen/brush in the same direction and not leave any gaps when adding colour.</p>	
05.12.22	<p>English: You should have finished your comprehension questions! Well done! Check your SPaG activity mat too - is there any boxes you have missed?</p> <p>Maths: Check you have completed all the worksheets in this pack. Finish off any bits that you need to. Don't forget to keep practising your times tables too!</p>	

12.12.22	Finishing off: homework is to be handed in by Wednesday 18 th December at the latest, please feel free to bring in on Monday or Tuesday if you have finished and are happy with it! I can't wait all the wonderful work I know you will have produced! We will be having our homework presentations towards the end of the week so that you all get the chance to show off your hard work!	
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A Christmas Carol



Below is a scene from the beginning of Charles Dickens' famous novella, 'A Christmas Carol', which is set during the Victorian era. This scene takes place at night on Christmas Eve. The main character, Ebenezer Scrooge, has just dressed for bed in his dressing gown and slippers. He is an unpleasant, friendless man and he hates Christmas.

Cast

Ebenezer Scrooge: A miser, moneylender and businessman.

Jacob Marley: A ghost, formerly Scrooge's business partner.

Act I Scene 4

(Scrooge's bedroom. He is all alone, sitting in a high-backed armchair and facing a marble fireplace. Opposite him is another, empty armchair. Suddenly, every bell within his house starts ringing simultaneously and then they all stop. Scrooge stands up and looks about.)

Scrooge: (annoyed) Rubbish!

(He sits down roughly. As he sits, a slow and steady clanking sound begins offstage — getting louder over time. It sounds as if someone is walking slowly up a flight of stairs, dragging something heavy behind them.)

Scrooge: (slouches down into his chair) It's humbug still; I'm not really hearing it!

(Slowly, Marley's ghost enters dressed in: a waistcoat, breeches and boots. Tied around his waist is a heavy chain, with old, rusted cash boxes, keys and padlocks attached to it.)

Scrooge: (stands and stamps his foot indignantly) What do you want?

Marley: (raises his chains strenuously)

I want a lot from you Scrooge.

Scrooge: Who are you?

Marley: Ask me who I used to be.

Scrooge: (impatiently) Alright. Who were you then?

Marley: I was Jacob Marley. I've been gone seven years now.

Scrooge: Humbug! I don't believe it. You are a bad case of indigestion: some hallucination brought on by some rich, saucy food. What I do believe is that you are more gravy than grave!



A Christmas Carol

(Marley screams: eerily, like a strong wind forcing itself through a small window. He angrily shakes his chains at Scrooge, causing him to fall back against his chair, shaking with fear.)

Scrooge: Mercy! Why are you bothering me?

(Marley stops and sits down in the armchair opposite Scrooge.)

Marley: Do you believe me now? I am the ghost of Jacob Marley.

Scrooge: (nods fervently) Yes, I do. But, Jacob, why are you here?

Marley: If a man does not explore the world in his lifetime, he is expected to do it once his life is done. I walk everywhere, carrying this heavy chain behind me.

(Marley moans and rattles his chains again.)

Scrooge: (wrings his hands) Why do you have to wear such a horrible, hefty burden?

Marley: Tell me, Scrooge. Did we ever visit a place other than our precious counting house? No! Nor were we kind and generous to others. I forged this abysmal load every time I refused to show any charity to our customers. We evicted people from their homes when they couldn't pay their rent, even on Christmas Eve!

Scrooge: I'm confused. You were an excellent businessman...

Marley: (Throws his arms up) I should have been an excellent human being! **(Holds his chains up)** Mind you, Scrooge, your chains are going to be thicker and heavier than mine. You've had seven more years.

Scrooge: You mean I'm going to have my own horrendous chains too? Oh, mercy!
(Falls to his knees)

Marley: There is a chance for you yet, Scrooge, if you change your wicked ways. Tonight, you will be visited by three apparitions.

Scrooge: I don't think I'd like to see anymore ghosts, Jacob. Isn't there some other way?

Marley: (raises his voice) Hear me, Scrooge! Without their visits, you have no hope. Expect the first spirit when the clock strikes one. Goodbye, Scrooge.

(Marley walks backwards and exits, his chains trailing noisily behind him.)

Scrooge: (waves) Goodbye, Jacob.





Questions

1. Who was Jacob Marley before he was a ghost? Tick one.

- Scrooge's customer
- Scrooge's brother
- Scrooge's business partner
- Scrooge's son

2. Number the events from 1-4 to show the order that they happened in.

- Scrooge is scared to hear he is going to have heavier chains.
- Marley leaves Scrooge by himself.
- Marley tells Scrooge he is going to be visited by three more ghosts.
- Marley explains that he earned his chains by not being kind.

3. Look towards the beginning of the playscript. Find one word that means the same as 'rubbish'.

4. Fill in the missing words.

You are a bad case of _____: some _____ brought on by some rich, saucy food.

5. How long has Marley been gone?

6. Explain why you think Ebenezer Scrooge refuses to believe that it is Jacob Marley.

7. Were Marley and Scrooge good friends? Explain your answer.



A Christmas Carol

8. Do you think Scrooge takes Marley's warning about the chains seriously? Explain your answer.

9. What do you think the spirits will do to Scrooge when they visit? Explain your answer.

Sycamore class – Year 5
Autumn 2



Year 5 SPaG Activity Mat

Add a modal verb to the following sentence:

I _____ eat all of the gigantic ice cream sundae.



Complete these present perfect sentences using the correct form of the verbs:

Mrs Green _____ lived next door for 20 years.

We _____ finished our school project.

Write these homophone words in the correct sentences:

morning mourning

Yesterday _____, I went to football training.

After the tragic accident, the grieving widow was in _____.

Mr Whoops has got in a terrible muddle with his verb prefixes. Can you help him add a prefix to these root words?

connect _____

inform _____



Sort these words into the table:

pronoun	verb

you went am his
Add another word to each column.

Rewrite the sentence below in Standard English.

Alex didn't get none Valentine's cards. He should of got his mum to send him one!



Sycamore class – Year 5
Autumn 2





Remember, you must multiply the numerator and denominator by the same number.

Mathematics – Equivalent fractions

Complete the following fractions to make the fractions equivalent.

1. $\frac{1}{2} = \frac{\square}{8}$	2. $\frac{3}{\square} = \frac{6}{10}$	3. $\frac{3}{4} = \frac{12}{\square}$	4. $\frac{\square}{10} = \frac{1}{2}$
5. $\frac{7}{\square} = \frac{14}{16}$	6. $\frac{2}{3} = \frac{\square}{12}$	7. $\frac{\square}{6} = \frac{4}{24}$	8. $\frac{1}{8} = \frac{2}{\square}$
9. $\frac{2}{10} = \frac{\square}{5}$	10. $\frac{2}{\square} = \frac{1}{3}$	11. $\frac{4}{5} = \frac{16}{\square}$	12. $\frac{\square}{16} = \frac{1}{4}$
13. $\frac{2}{\square} = \frac{8}{20}$	14. $\frac{2}{24} = \frac{\square}{12}$	15. $\frac{\square}{8} = \frac{3}{4}$	16. $\frac{8}{16} = \frac{1}{\square}$
17. $\frac{16}{20} = \frac{\square}{5}$	18. $\frac{7}{\square} = \frac{14}{20}$	19. $\frac{2}{12} = \frac{1}{\square}$	20. $\frac{\square}{16} = \frac{5}{8}$



I have started the first one for you...

Improper Fractions

4. Write the improper fractions and mixed numbers represented by the shapes below.

	Improper Fraction		Mixed Number
a.	$\frac{15}{4}$		$3 \frac{3}{4}$
	_____		_____

b.		_____
----	--	-------

c.		_____
----	--	-------

d.		_____
----	--	-------

e.		_____
----	--	-------

f.		_____
----	--	-------



6 Times Table Activities

1. Count in 6s and colour in the grid:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

2. Work out these answers:

a) $2 \times 6 =$ _____ d) $8 \times 6 =$ _____

b) $12 \times 6 =$ _____ e) $7 \times 6 =$ _____

c) $5 \times 6 =$ _____ f) $6 \times 6 =$ _____

3. How many blocks are there?





I can complete calculations.

$7 \times 5 = \underline{\quad} \quad 7 \times 7 = \underline{\quad} \quad 4 \times 7 = \underline{\quad}$

$7 \times 7 = \underline{\quad} \quad 7 \times 4 = \underline{\quad} \quad 7 \times 3 = \underline{\quad}$

$7 \times 10 = \underline{\quad} \quad 3 \times 7 = \underline{\quad} \quad 0 \times 7 = \underline{\quad}$

$6 \times 7 = \underline{\quad} \quad 7 \times 2 = \underline{\quad} \quad 7 \times 2 = \underline{\quad}$

$7 \times 9 = \underline{\quad} \quad 9 \times 7 = \underline{\quad} \quad 7 \times 7 = \underline{\quad}$

$0 \times 7 = \underline{\quad} \quad 7 \times 1 = \underline{\quad} \quad 7 \times 10 = \underline{\quad}$

$7 \times 1 = \underline{\quad} \quad 7 \times 0 = \underline{\quad} \quad 3 \times 7 = \underline{\quad}$

$8 \times 7 = \underline{\quad} \quad 4 \times 7 = \underline{\quad} \quad 7 \times 5 = \underline{\quad}$

$7 \times 5 = \underline{\quad} \quad 7 \times 8 = \underline{\quad} \quad 9 \times 7 = \underline{\quad}$

$3 \times 7 = \underline{\quad} \quad 1 \times 7 = \underline{\quad} \quad 7 \times 0 = \underline{\quad}$

$7 \times 6 = \underline{\quad} \quad 7 \times 5 = \underline{\quad} \quad 2 \times 7 = \underline{\quad}$

I can find the products of the 7 times table.

Circle the products.

- 0
- 63
- 35
- 7
- 18
- 84
- 49
- 4
- 12
- 72
- 22
- 21
- 56
- 70
- 16
- 28
- 36
- 17
- 42
- 48
- 14
- 77



Emoji Multiplication Mosaic

Multiplication 8 × table

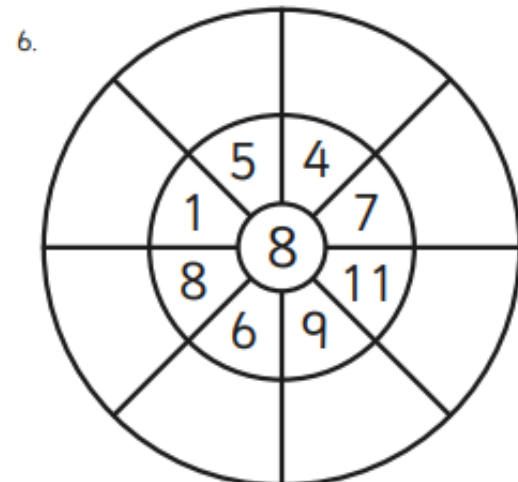
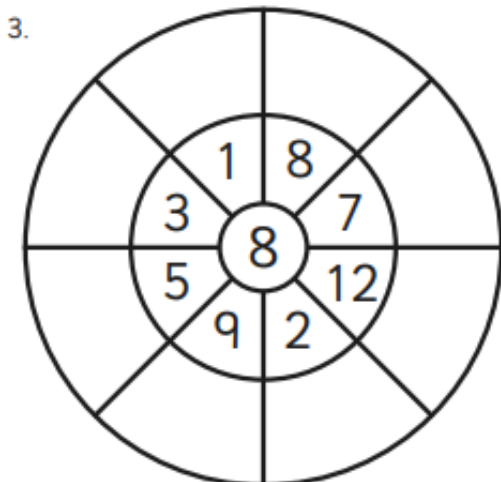
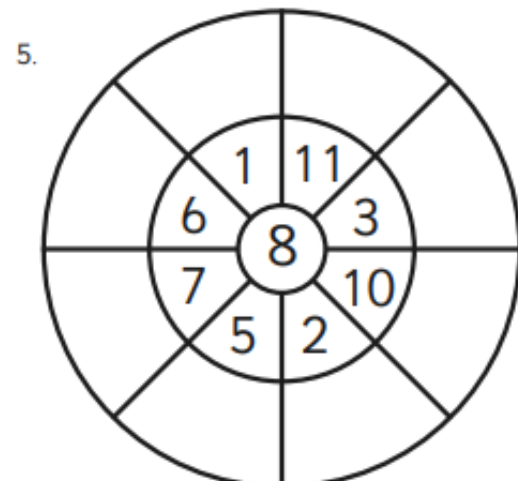
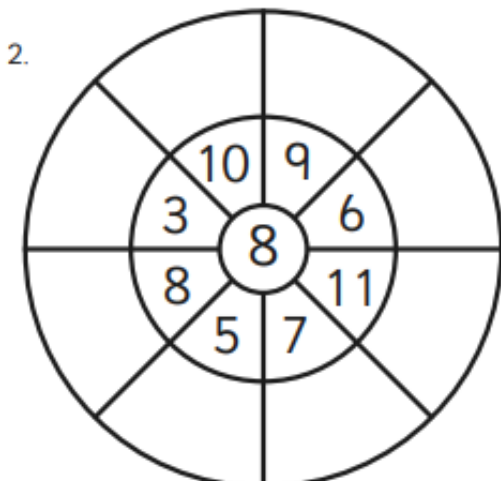
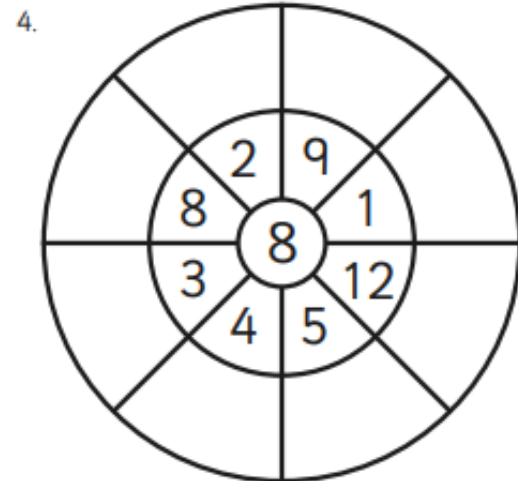
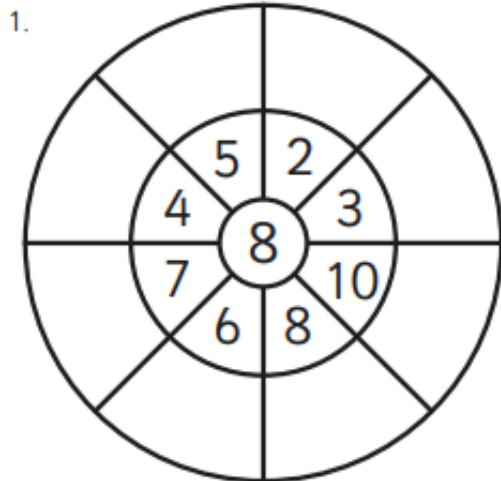
Solve the maths problems to reveal the hidden picture.
Each answer has a special colour:

8, 16, 24, 32 = yellow	72, 80, 88 = black	40, 48, 56, 64 = white	96 = blue
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8×11	8×9	8×1	8×4	2×8	8×1	3×8	9×8	11×8
8×10	8×3	3×8	8×3	4×8	8×2	1×8	8×3	10×8
8×3	8×5	8×7	6×8	8×1	8×8	5×8	8×6	12×8
8×4	5×8	8×9	8×7	8×3	7×8	10×8	8×8	8×12
8×2	8×8	8×5	6×8	3×8	5×8	8×6	7×8	2×8
3×8	8×2	2×8	1×8	8×4	3×8	7×8	1×8	8×7
1×8	8×4	8×3	3×8	8×2	4×8	8×3	3×8	8×3
3×8	1×8	8×8	8×5	8×7	6×8	8×5	8×1	4×8
11×8	8×1	8×6	8×7	8×8	7×8	5×8	8×3	8×9
9×8	8×10	3×8	2×8	8×4	8×3	8×1	8×11	8×10



8 Times Table Multiplication Wheels



Sycamore class – Year 5
Autumn 2





Bicarbonate of Soda & Vinegar

Equipment needed (per group):

- Vinegar (white vinegar works best but malt vinegar also works)
- Bicarbonate of soda
- Tablespoon
- A measuring jug
- Smaller dry container – such as a small clear plastic tray or cup
- A larger container to put the smaller container in
- Cleaning cloth – just in case!
- Worksheet

In this investigation you will be adding vinegar to bicarbonate of soda.

What do you think will happen?

.....

Do you think this will be a reversible or an irreversible change?

Reversible change

Irreversible change

Here's what to do:

1. Put half a tablespoon of the bicarbonate of soda into the smaller container.
2. Place the smaller container in the middle of the larger container.
3. Measure 100ml of vinegar.
4. Carefully pour the vinegar over the bicarbonate of soda.

Make sure you watch and listen to what happens!

What happened in this experiment?



I saw:

.....

.....

I heard:

.....

.....

Can you reverse this reaction?



4.1 RUN TIMES

YEAR
5

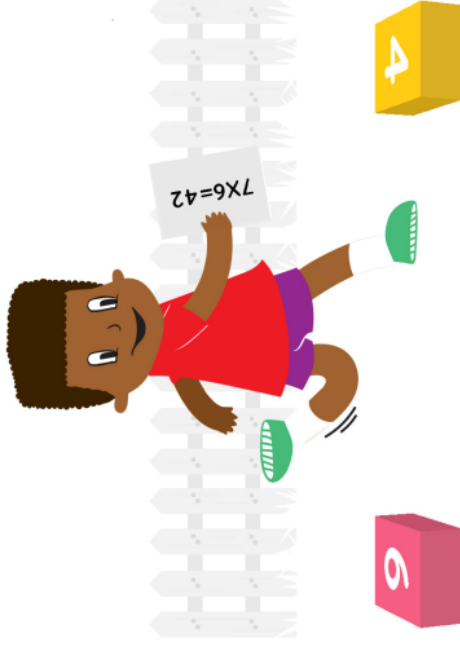
Objective: Multiply numbers mentally drawing upon known facts.

Instructions

1. Set up a safe, short running course - a circuit, a shuttle run or a mazy run - whatever you have room for or fancy trying
2. Make a set of 1-9 cards
3. Pick two cards and multiply them together, noting down the number sentence, e.g. $8 \times 6 = 48$
4. Run around your course for that many seconds
5. Repeat the maths and running activity with different cards, for 30 minutes in total. This is an opportunity to practise your times tables as well, while you are running!

Challenge

You might prefer to choose a different exercise activity, such as star jumps, and do that many jumps instead of running.
For a bigger fitness challenge you can complete that number of runs rather than that many seconds' worth of running!





4.2 LEGO JUMPS

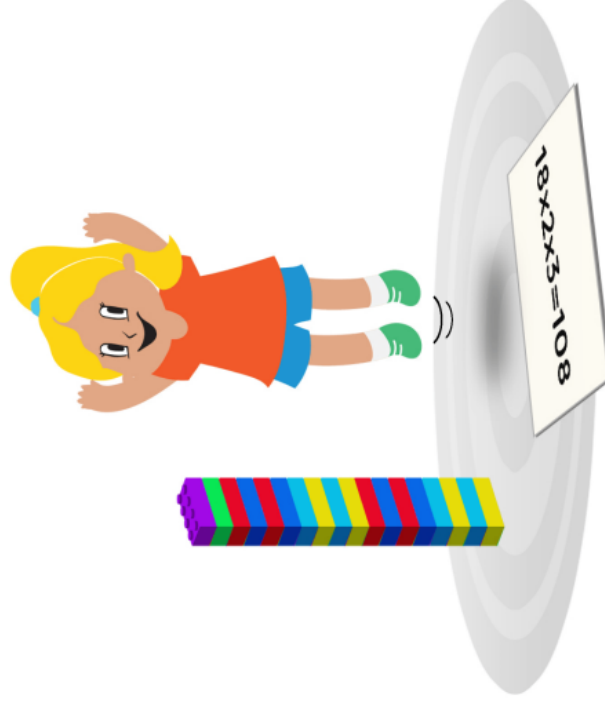
Objective: Multiply mentally drawing upon known facts.

Instructions

1. Gather some Lego or similar building bricks
2. Pick any brick at random. Quickly calculate the number of bumps on the top of the brick: count how many little bumps there are going across and how many going down. There might be two rows of four, or one row of eight, for example
3. Build a tall tower using the same sized brick. Jump up and down as many times as there are bricks in your tower
4. Calculate the number of 'bumps' in your tower in total. For example, a tower of 18 bricks, all with 2 rows of 3 bumps (2 x 3), would have $18 \times 2 \times 3 = 18 \times 6 = 108$ bumps
5. Write down the maths calculation down for your tower
6. Repeat with a different sized brick.

Challenge

With a partner take it in turns: you pick the brick, they build the tower, you calculate its total number of bumps, they do the jumps; then swap over for another type of brick.





4.3 GYM TABLES

YEAR
5

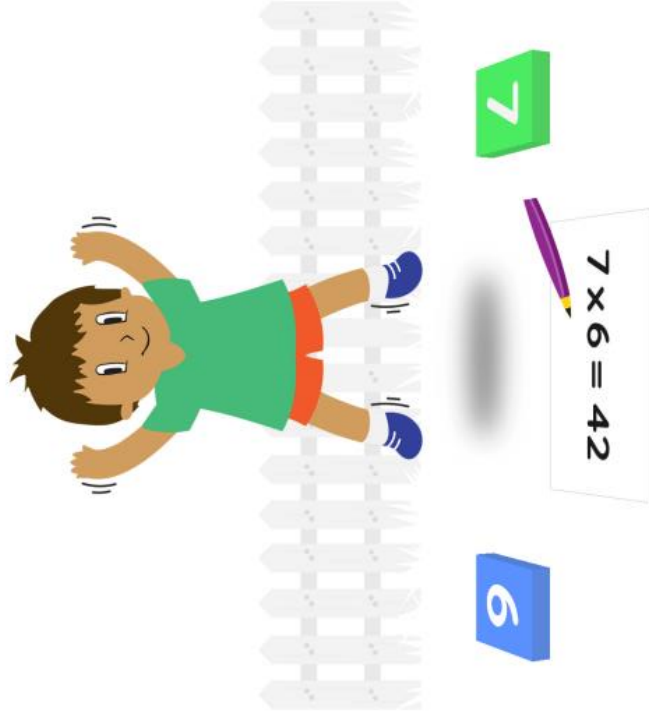
Objective: Mentally multiply numbers drawing upon known facts.

Instructions

1. Make two sets of 1-12 cards, placed separately, mixed up and face down
2. Pick a card at random from each group, which could be 7 and 6, for example. This is your multiplication question. Do 7 star jumps and 6 shuttle runs (or whatever numbers are on the cards)
3. Calculate and write down the number sentence for your multiplication question (e.g. $7 \times 6 = 42$)
4. Try again using new cards, and different exercises. Continue repeating the maths and physical activities for 30 minutes.

Challenge

Play with a partner. Who is quickest to pick two cards, complete the physical exercises and calculate the multiplication question?



Name: _____

Sycamore class

Well done, you have completed your Homework Portfolio. Please fill in the boxes below to tell us how you felt about the homework.

Pupil	What I liked...	Could be even better if...
Parents	What I liked...	Could be even better if...

Remember, you will be awarded with a bronze, silver or gold certificate at the end of each half term. We will also spend an afternoon to look at everyone's homework packs that have been created, so that your teacher and peers can celebrate your hard work!