Thursday 11th June 2020

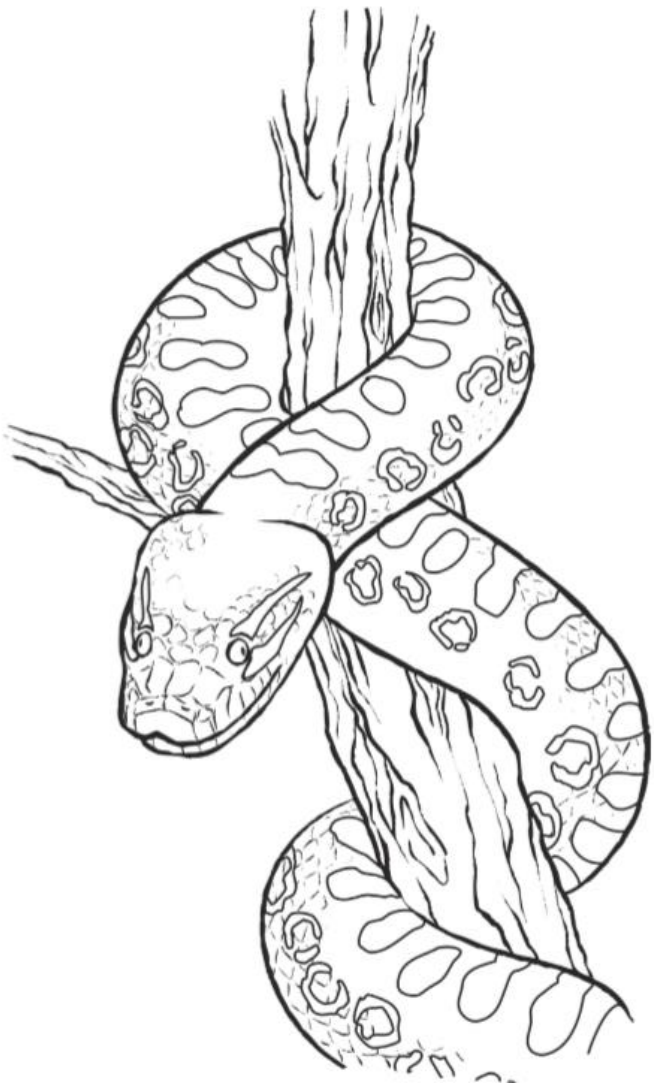
Please refer to Monday's power point for the 'everyday' activities.

Remember that we are not using White Rose videos at the moment as we have completed the fractions lessons.

Here are a couple of Rainforest colouring sheets.

Just in case you wanted something new to colour …

Rainforest Calling



Rainforest Calling

Maths !

- **First** complete the ten in ten arithmetic questions, I know that a lot of the time I put more questions on!
- **Grown ups** – as explained we are out of videos so we are using a combination of Classroom secrets and White Rose resources.
- **Children** – as we have run out of videos we are going to use some of the classroom secrets power points as your introduction to lessons.
- This week and next week is all about TIME! Some children will find this concept quite tricky, others who sometimes find Maths really tricky may find it quite easy – it sometimes happens with the Maths topics.
- If you have a watch it would be a good idea to wear it each day, having a watch on makes it so much easier to practice telling the time. There was a clock to make on Monday if you want to practice.
- **Finally** check your answers and correct any mistakes, just like we do in class. You can even use a pink and green pen if you want to. (Bonus points if you find a mistake!)
- **Maths this week**
- Monday – months and years
- Tuesday – months and years problem solving
- Wednesday – hours in a day
- Thursday – hours in a day problem solving
- Friday – challenge day!

Time facts to remember – you need to know these off by heart.

- 1 minute = 60 seconds
- 60 minutes = 1 hour
- 24 hours = 1 day 48 hours = 2 days
- 7 days = 1 week 14 days = a fortnight
- 4 weeks = 1 month
- 12 months = 1 year
- 10 years = 1 decade

Time — Knowledge Organiser

Key Vocabulary

- 12-hour time
- 24-hour time
- Roman numerals
- analogue
- digital
- hours
- minutes
- seconds
- o'clock
- half past
- quarter past
- quarter to
- midday
- midnight
- noon

Analogue and Digital Clocks

Minute Hand
The long hand points to the minutes past or the minutes to the hour.

Hour Hand
The short hand points to the hour. If this hand is pointing between hours, it is either past the earlier hour or to the later hour.

twelve o'clock

quarter past twelve

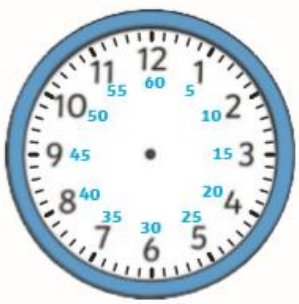
half past twelve

quarter to one

Time and Roman Numerals

Hours, Minutes and Seconds

There are **60 seconds** in an minute.



There are **60 minutes** in an hour.

15 in 15. I'm trying to find different mental maths formats so you don't get bored of the same thing everyday.

Grown ups --- you will need to read the questions to your child - they are on the following slide with the answers. There are a couple of topics that we haven't yet covered. Don't worry if you can't do them all.

YEAR 3 **Mental Arithmetic Test 4**

Name: **Date:**

1

2 193

3

4 23 45

5

6

7 600 400

8 16 20 51 59

9 150 21 = 129

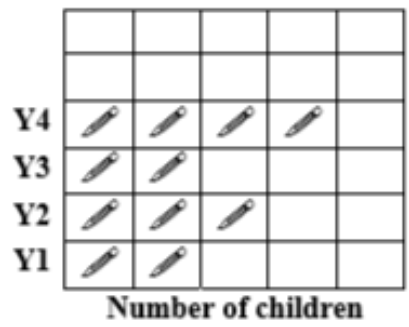
10 8am 3pm

11  °C

12 cakes

13 wholes

14 13 3 7 5

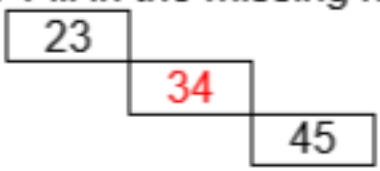


15 in 15 answers

Test 4

I will read every question twice. In this first set you will have 5 seconds to work out the answer and record it on your answer sheet.

1. Write in figures the number one thousand five hundred and six. (1506)
2. Write 193 to the nearest hundred. (200)
3. What number comes immediately before 560? (559)
4. On your sheet is part of a 100 square. Fill in the missing number.



5. What number is halfway between 300 and 400? (350)
6. How many faces has a triangular prism? (5)
7. What is 600 and 400 altogether? (1000)
8. Put a ring round the number that is a multiple of 5:
   (16, 20, 51, 59) (20)
9. Write in the operation sign that would make the number sentence correct 150 ? 21 = 129 (-)
10. How much time is between 8am and 3pm? (7 hours)

For the next set of questions you will have 10 seconds to work out the answer and record it on your answer sheet.

11. What temperature is shown on the thermometer? (37°C)
12. I have 36 cakes. How many boxes will I need to hold the cakes if one box holds 5 cakes? (8)
13. Four quarters and two halves make how many wholes? (2)
14. What is the total of 13, 3, 5 and 7? (28)
15. The pictogram on your sheet shows information about how many children in a school had a computer at home. The picture of the computer stands for 2 children. How many children in Y4 have a computer at home? (8)

Warm up

Reasoning 1

Ellie says:

Lunchtime is at 12 o'clock. So, whenever a clock shows 12 o'clock it has to be lunchtime.

Is that possible? Explain how you know.

Reasoning 2

True or false?

"Today the sunset was at 8 o'clock. That means every day must finish at 8 o'clock."

Explain how you know.

Problem Solving 1

How many days in this month are not weekend days?

Mo	Tu	We	Thu	Fri	Sa	Su
			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				

The questions below are quite tricky – you might need to chat the answers through with a grown up.

5 There are 5 days in a school week.

a) What is the difference in the number of days in 4 **school weeks** compared to 4 whole weeks?

b) There are 7 hours in a school day.

How many more hours are there in 5 full days than 5 school days?

Talk to a partner about how you worked out your answers.

6 Kim and Dexter are working out how many more hours are in the month of August than September.

I can work out how many hours are in August in total, how many hours are in September in total and subtract one from the other.

Kim thinks there is an easier way of working it out.

What might Kim's method be?

Talk about it with a partner.

7 Brett knows that there are 24 hours in one day, 48 hours in two days and 72 hours in three days.

Use these facts to work out how many hours there are in each month.

April

January

February of a non-leap year

February of a leap year

8 There are more days in October than September.

Therefore, there are more school days in October than September.

Is this always, sometimes or never true?

How do you know?

9 Esther goes to school for 5 hours each day.

There are no school holidays in the month of March.

How many hours could Esther spend at school in March?

Compare answers with a partner.

Warm up answers

Reasoning 1

Ellie says:

Lunchtime is at 12 o'clock. So, whenever a clock shows 12 o'clock it has to be lunchtime.

Is that possible? Explain how you know.

Ellie is incorrect because a clock can say 12 o'clock in the middle of the night and in the middle of the day. Only one of those is lunchtime.

Problem Solving 1

How many days in this month are not weekend days?

Mo	Tu	We	Thu	Fri	Sa	Su
			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				

20 days are not weekend days

Reasoning 2

True or false?

"Today the sunset was at 8 o'clock. That means every day must finish at 8 o'clock."

Explain how you know.

False because the sun sets at different times (depending on the season) and this doesn't always mean the day has ended.

5 There are 5 days in a school week.

a) What is the difference in the number of days in 4 **school weeks** compared to 4 whole weeks?

8

b) There are 7 hours in a school day.

How many more hours are there in 5 full days than 5 school days?

8.5

Talk to a partner about how you worked out your answers.

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I can work out how many hours are in August in total, how many hours are in September in total and subtract one from the other.

Kim thinks there is an easier way of working it out.

What might Kim's method be?

Talk about it with a partner.

7 Brett knows that there are 24 hours in one day, 48 hours in two days and 72 hours in three days.

Use these facts to work out how many hours there are in each month.

April 720

January 744

February of a non-leap year 672

February of a leap year 696

8 There are more days in October than September.

Therefore, there are more school days in October than September.

Is this always, sometimes or never true?

(Depends on school holidays and weekends)

Sometimes

How do you know?

9 Esther goes to school for 5 hours each day.

There are no school holidays in the month of March.

How many hours could Esther spend at school in March?

115

Compare answers with a partner.

On the next three slides are three different levels of work. Children – pick the level that you normally do at school when we do these. Parents – children would have the freedom to choose their level and step back and forwards if they need to. I will add a challenge too, NO CHILD IS EXPECTED TO DO ALL OF THE SHEETS. Thanks

Developing level (easier)

Hours in a Day

1a. Sian says:

I get up at 7 o'clock and I go to bed at 7 o'clock too.

Is that possible?
Explain how you know.

D R

Hours in a Day

1b. Morgan says:

I walk to school at 8 o'clock and I go to sleep at 8 o'clock as well.

Is that possible?
Explain how you know.

D R

2a. True or false?

"There are 24 hours in a day. That means it is light for 24 hours every day."

Explain how you know.

D R

2b. True or false?

"There are 24 hours in a day. That means there are 48 hours in two days."

Explain how you know.

D R

3a. Which month could this calendar be?

Mo	Tu	We	Thu	Fri	Sa	Su
			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				

D PS

3b. How many times in this month would you go to bed?

Mo	Tu	We	Thu	Fri	Sa	Su
			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				

D PS

Expected – year 3 level

Hours in a Day

4a. Ellie says:

School starts at 9 o'clock. I am always on time, but I am also in bed at 9 o'clock.

Is that possible?
Explain how you know.

Hours in a Day

4b. Raj says:

It will always be dark at 11 o'clock.

Is that possible?
Explain how you know.

5a. True or false?

"There are seven days in a week. That means we come to school seven times a week."

Explain how you know.

5b. True or false?

"Today the sunrise was at 6 o'clock. That means every day must start at 6 o'clock."

Explain how you know.

6a. How many days in this month are at the weekend?

Mo	Tu	We	Thu	Fri	Sa	Su
			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				

6b. How many times in this month would it be exactly noon?

Mo	Tu	We	Thu	Fri	Sa	Su
			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				

Greater depth – trickier

Hours in a Day

7a. Crystal says:

I finish school at 3 o'clock. There are 5 school days a week. So it must only be 3 o'clock 5 times a week.

Is that possible?
Explain how you know.

GD R

Hours in a Day

7b. Oscar says:

If I wake up in the night it must be midnight.

Is that possible?
Explain how you know.

GD R

8a. True or false?

"There are 28 days in February. That is the same as 4 weeks. That means you always have 4 weeks of school in February."

Explain how you know.

GD R

8b. True or false?

"There are 24 hours in a day. That means there are 168 hours in a week."

Explain how you know.

GD R

9a. How many times in this month might you go to school?

Mo	Tu	We	Thu	Fri	Sa	Su
			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				

GD PS

9b. How many times in this month will it be 6 o'clock?

Mo	Tu	We	Thu	Fri	Sa	Su
			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
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GD PS

Answers

Reasoning and Problem Solving
Hours in a Day

Developing

1a. Yes, because there is a 7 o'clock in the morning and one in the evening.
2a. False, it is not light for the full 24 hours, it is dark at night.
3a. February

Expected

4a. Yes, because it is 9 o'clock twice a day.
5a. False. Only 5 of the days are school days.
6a. 8

Greater Depth

7a. No. It is that time twice a day and it still happens at the weekend as well.
8a. False. There could be school holidays that fall in February.
9a. 20, but only if there are no school holidays in the month.

Reasoning and Problem Solving
Hours in a Day

Developing

1b. Yes, because there is an 8 o'clock in the morning and one in the evening.
2b. True. 2 x 24 = 48
3b. 28

Expected

4b. No, there is an 11 o'clock in the morning and one at night. It will be light for one and dark for the other.
5b. False. The sun rises at different times and changes in different seasons.
6b. 28

Greater Depth

7b. Possible (but unlikely). Midnight is only at 12 o'clock. It could be midnight when he wakes up, but it's unlikely.
8b. True. 24 x 7 = 168 so that will always be the case.
9b. 56

Challenge! - optional

Hours in a Day

1. Jess needs to complete as many activities as she can in 24 hours. What combination of the activities below could Jess complete? How many different combinations can you find?

Activity	Time in Hours and Minutes
Swim	1 hour 30 minutes
Ride a bike	45 minutes
Read a book	1 hour 30 minutes
Watch TV	30 minutes
Bake a cake	2 hours
Walk the dog	1 hour 15 minutes
Colour in	1 hour 15 minutes
Take a bath	30 minutes
Go to the park	1 hour 30 minutes
Dance class	45 minutes
Chores around the house	45 minutes
Cinema trip	4 hours 45 minutes
Visit a friend	4 hours 30 minutes
Sleep	8 hours

Which combination of activities could Jess complete which leaves her with 4 hours to spare?

DP

- Remember that these type of questions have more than one answer!
- Have fun finding the different ways.

Challenge answers

Hours in a Day

1. Jess needs to complete as many activities as she can in 24 hours. What combination of the activities below could Jess complete? How many different combinations can you find?

Activity	Time in Hours and Minutes
Swim	1 hour 30 minutes
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Colour in	1 hour 15 minutes
Take a bath	30 minutes
Go to the park	1 hour 30 minutes
Dance class	45 minutes
Chores around the house	45 minutes
Cinema trip	4 hours 45 minutes
Visit a friend	4 hours 30 minutes
Sleep	8 hours

Various possible answers including:

- Walk the dog
- Swim
- Chores around the house
- Visit a friend
- Bake a cake
- Cinema trip
- Ride a bike
- Take a bath
- Sleep

Which combination of activities could Jess complete which leaves her with 4 hours to spare?

Various possible combinations including: read a book, watch tv, visit a friend, take a bath, ride a bike, swim, colour in, go to the park, sleep.

DP

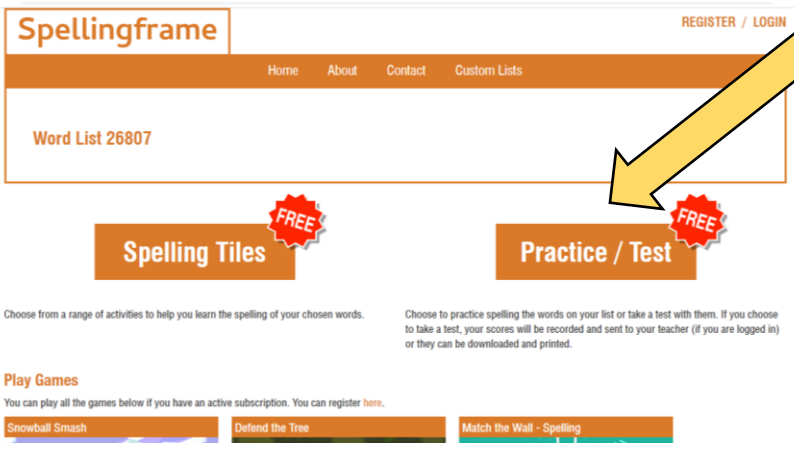
English Spellings: Thursday

Spellings are a little different this week as we are going to focus on some topic words.

On the next slide are several activities you can do at home to practice your spellings. This is also a good idea to practise your kinetic letters handwriting.

Your spellings:

1. plantation
2. ferment
3. leaves
4. harvest
5. profit
6. chocolate
7. import
8. export
9. factory
10. mould



Follow the link: https://spellingframe.co.uk/spelling-rule/51/22-Homophones-and-near-homophones-2-of-4 and click Practice/Test to take your test for last weeks spellings.

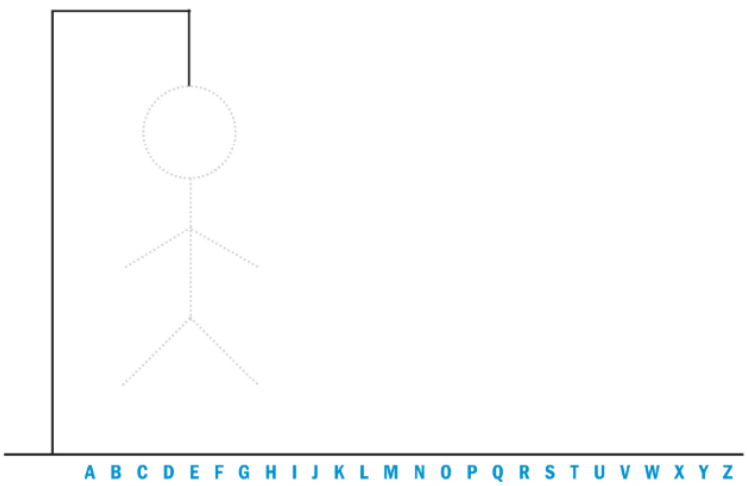
English Spellings: Thursday

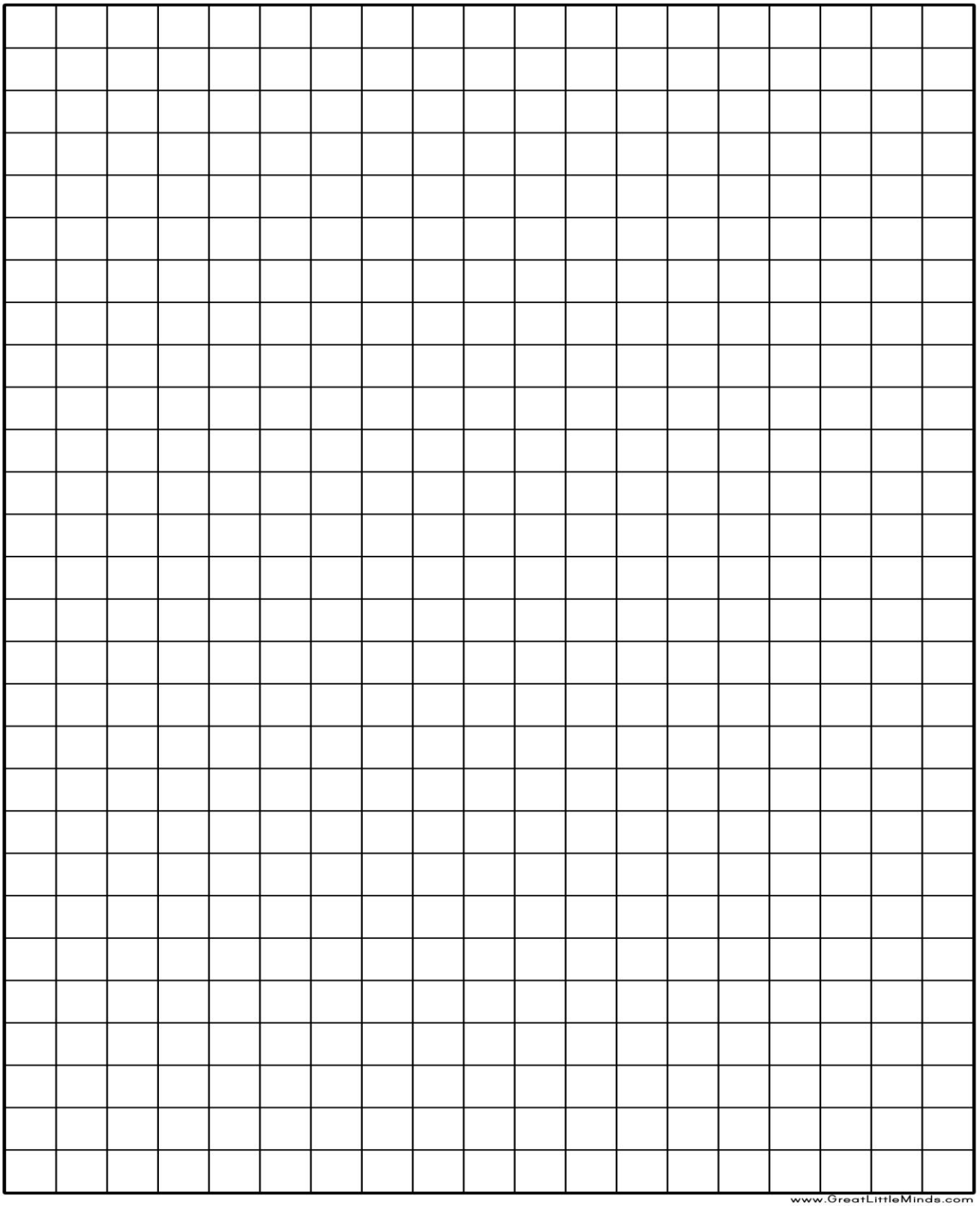
Activity 1:

Make a word search with your words. You will need some square paper. First write your words either vertically or horizontally in the blank squares. Then you will have to sill in the empty squares with letters to hide your words.
Ask a member of your house to complete your word search.

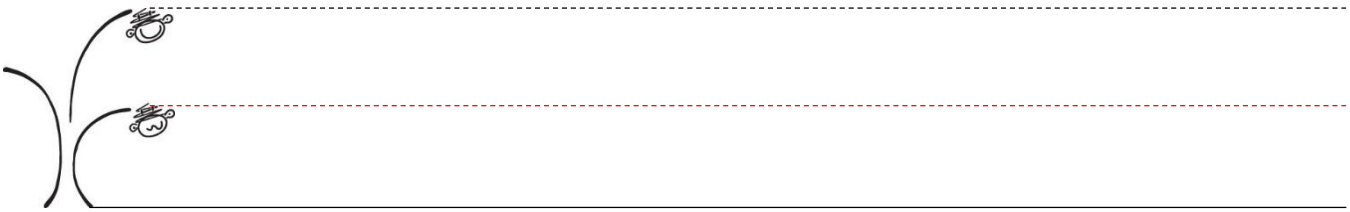
Activity 2:

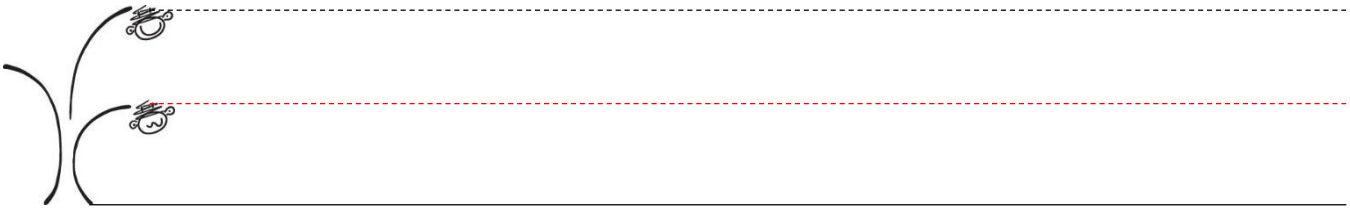
Play a game of hangman. You will have to ask someone to play this with you. Take it in turns to choose one of your spelling words and guess the letters. Every time a wrong letter is said write it down and add a part of the hanged man.

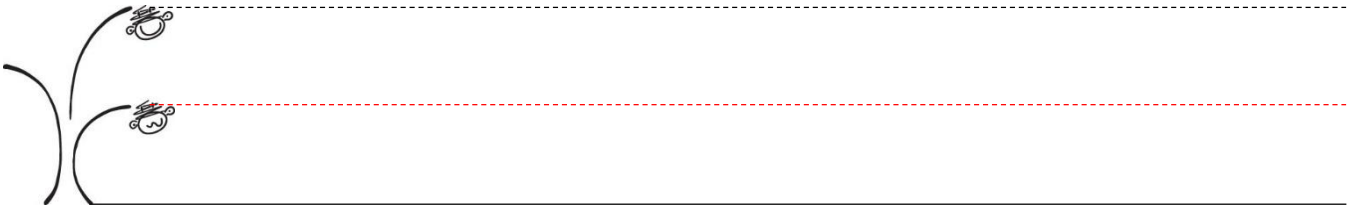


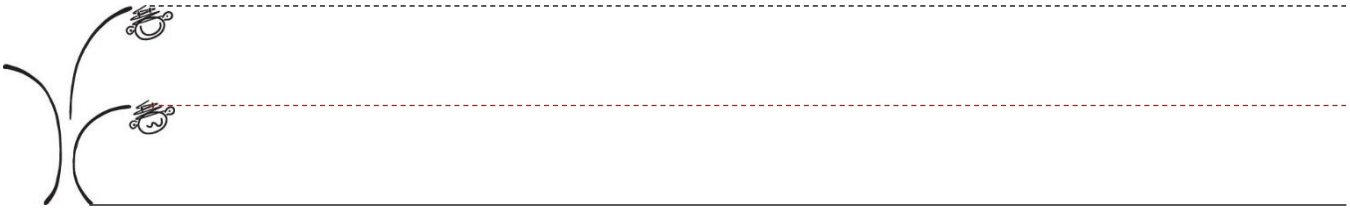


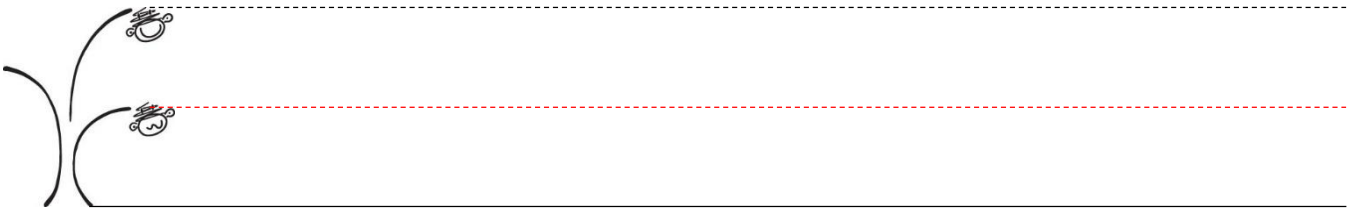
Kinetic letter practise grid

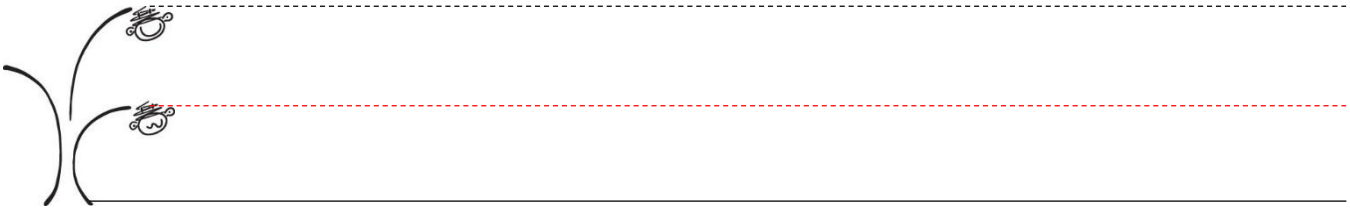


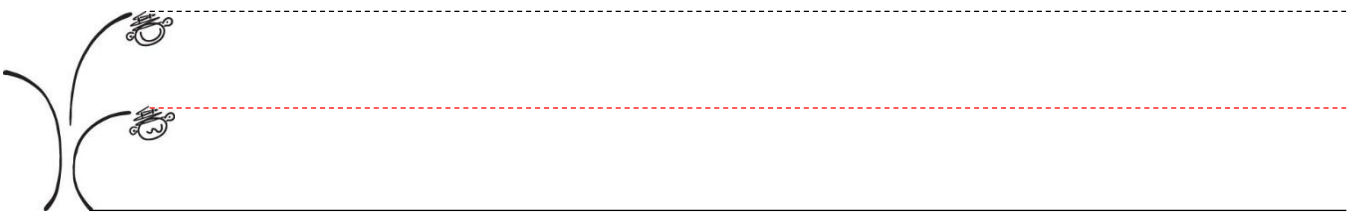












Workout Time

Click **ONE** of the workouts below to do today. I have included a core strength workout and a dance one. Both are 15 minutes long. Make sure you have a drink of water and enough space to do these safely.

It is important to keep active even if we are stuck in doors.