# Year 4 Home Learning - Friday 10th July

## Maths:

- Practise your times tables here on TTRockstars: https://ttrockstars.com/.
- Have a go at the Magic Ten questions.
- Complete the Multiplication Grid.
- Main Lesson: Introducing Line Graphs.

## English:

- Write a couple of sentences in your diary about yesterday and what you got up to.
- Have a go at the SPaG starter.
- Main Lesson content: Setting
- Try to read a book for at least 20 minutes. You could read on here: https://my.risingstars-uk.com/Default.aspx?ReturnUrl=%2f
- Get someone at home to test you on this week's spellings.

## Art:

- Main lesson content: Cut out pictures.

# Maths Friday 10th July

## Multiplication Grid:

| X | 12 | 6 | 4 | 2 | 9 | 5 | 11 | 8 | 2 | 3 |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 39 | | | | | | | | | | |

## Magic Ten:

Write the number represented by counters.

What is $\frac{1}{10}$ of 32?

Calculate $\frac{2}{7}+\frac{3}{7}+\frac{4}{7}$

Find the product of 2, 3 and 4

_____

Divide 7 by 100

Write the number shown as a decimal.

How many hundredths are equivalent to 7 tenths?

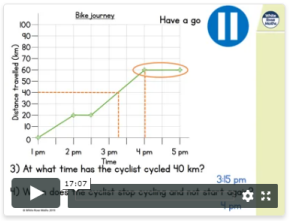
Use $<$ , $>$ or $=$ to compare.

$\frac{1}{8}$ of 320 ◯ $\div 8$

_____

Have a go at this lesson:
Watch this video first, then have a go at the activities: https://whiterosemaths.com/homelearning/year-4/

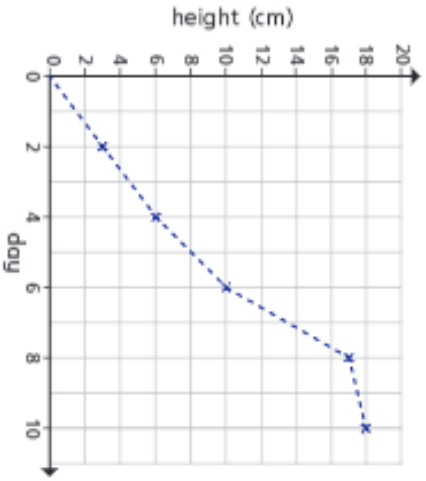
**Lesson 3 - Introducing line graphs**




**Looking for the worksheets?** Contact your child's school to check if they have a subscription to our worksheets. Alternatively, read more here or get some extra practice from BBC Bitesize.

# Introducing line graphs

**1** The line graph shows the growth of some cress over 10 days.




a) How tall was the cress on Day 2? ☐ cm

b) On what day did the cress reach 10 cm? day ☐

c) Estimate the height of the cress on Day 5 ☐ cm

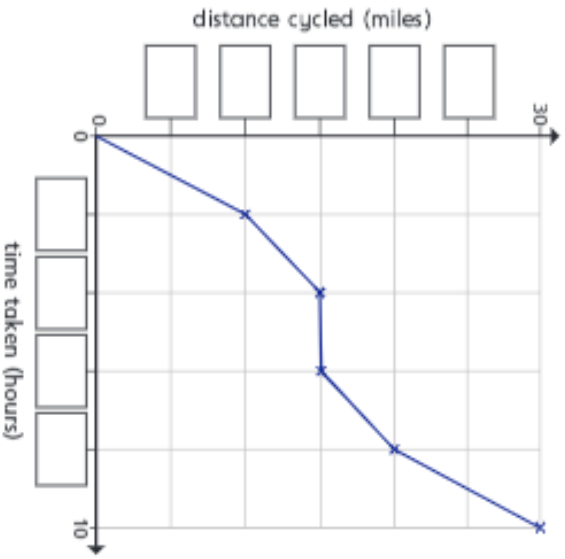
d) Estimate when the cress will reach a height of 14 cm. day ☐

e) Between which two consecutive days did the cress grow the most?

day ☐ and day ☐

**2** The line graph shows the distance a cyclist travels on a bike ride.

a) Fill in the missing labels.




b) How long did it take the cyclist to travel 10 miles? ☐ hours

c) How far had the cyclist travelled after 4 hours? ☐ miles

d) How far did the cyclist travel in total? ☐ miles

e) How far did the cyclist travel between 4 and 6 hours? ☐ miles

What might have happened during this time?

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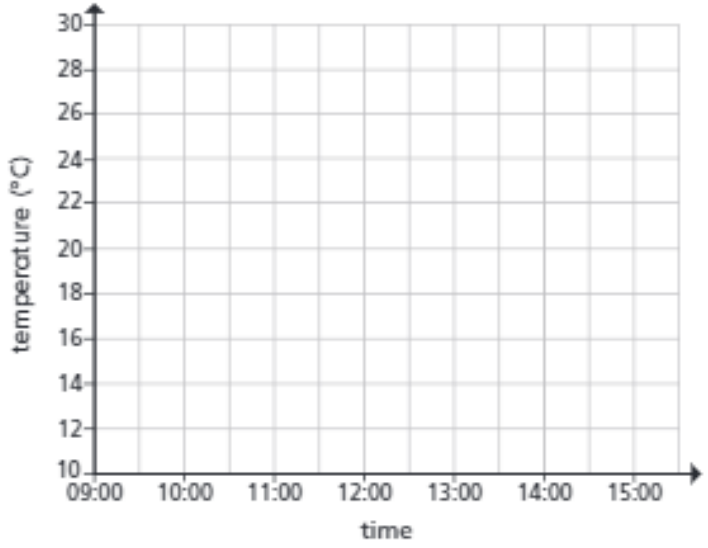
**3** The table shows the temperature outside on Monday.

| Time | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 |
|---|---|---|---|---|---|---|---|
| Temperature (°C) | 14 | 16 | 20 | 26 | 24 | 20 | 18 |

**a)** Use the information in the table to complete the line graph.




**Key** Monday _____ Tuesday _____

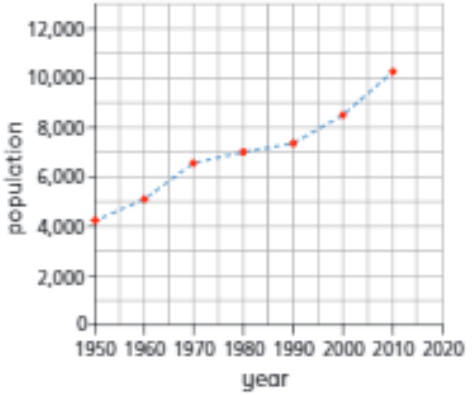
**b)** On Tuesday, the following temperatures were recorded.

| Time | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 |
|---|---|---|---|---|---|---|---|
| Temperature (°C) | 13 | 16 | 21 | 22 | 22 | 19 | 17 |

Add the new information to your line graph using a different colour and complete the key.

**c)** At what time was it hotter on Tuesday than on Monday?

**4** The graph shows the population of a town from 1950 to 2010




**a)** Circle the correct word to complete the statement.

The population of the town **increased** / **decreased** from 1950 to 2010

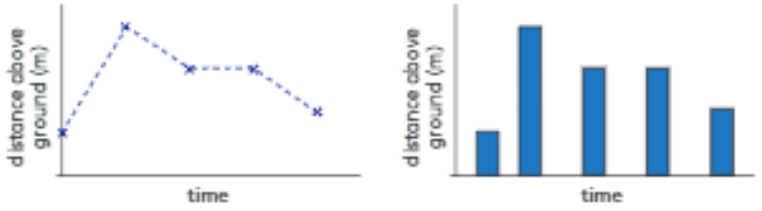
**b)** Estimate the highest recorded population.

**c)** In what year did the population first reach 7,000?

**d)** Estimate the population in 1970

**e)** Estimate the population in 2006

**5** The line graph and bar chart both show the distance above ground of a bird.




Which representation is more appropriate? _____

Explain your choice to a partner.

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ANSWERS:

| x | 12 | 6 | 4 | 2 | 9 | 5 | 11 | 8 | 2 | 3 |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 36 | 18 | 12 | 6 | 27 | 15 | 33 | 24 | 6 | 9 |
| 7 | 84 | 42 | 28 | 14 | 63 | 35 | 77 | 56 | 14 | 21 |
| 5 | 60 | 30 | 20 | 10 | 45 | 25 | 55 | 40 | 10 | 15 |
| 10 | 120 | 60 | 40 | 20 | 90 | 50 | 110 | 80 | 20 | 30 |
| 6 | 72 | 36 | 24 | 12 | 54 | 30 | 66 | 48 | 12 | 18 |
| 3 | 36 | 18 | 12 | 6 | 27 | 15 | 33 | 24 | 6 | 9 |
| 8 | 96 | 48 | 32 | 16 | 72 | 40 | 88 | 64 | 16 | 24 |
| 2 | 24 | 12 | 8 | 4 | 18 | 10 | 22 | 16 | 4 | 6 |
| 18 | 216 | 108 | 72 | 36 | 162 | 90 | 198 | 144 | 36 | 54 |
| 39 | 468 | 234 | 156 | 78 | 351 | 195 | 429 | 312 | 78 | 117 |

Write the number represented by counters.

0.25

What is $\frac{1}{10}$ of 32? 3.2

Calculate $\frac{2}{7}+\frac{3}{7}+\frac{4}{7}$ $\frac{9}{7}$

Find the product of 2, 3 and 4 24

19 minutes past one.

Divide 7 by 100 0.07

Write the number shown as a decimal.

0.7

How many hundredths are equivalent to 7 tenths?

70 hundredths

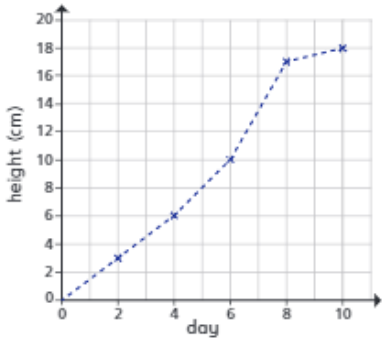
Use $<$ , $>$ or $=$ to compare.

$\frac{1}{8}$ of 320 $=$ $\div 8$

28 minutes past ten.

# Introducing line graphs

**1** The line graph shows the growth of some cress over 10 days.




a) How tall was the cress on Day 2? 3 cm

b) On what day did the cress reach 10 cm? day 6

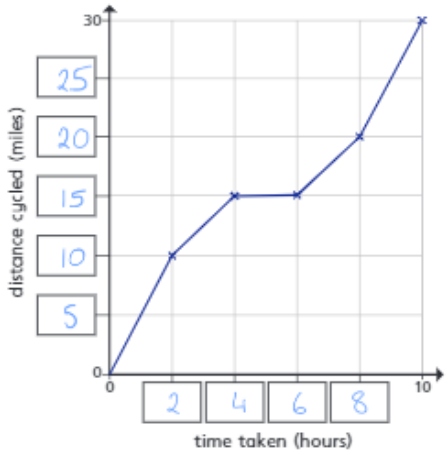
c) Estimate the height of the cress on Day 5 8 cm

d) Estimate when the cress will reach a height of 14 cm.
day 7

e) Between which two consecutive days did the cress grow the most?
day 6 and day 7
(or 7 & 8)

**2** The line graph shows the distance a cyclist travels on a bike ride.

a) Fill in the missing labels.




b) How long did it take the cyclist to travel 10 miles?
2 hours

c) How far had the cyclist travelled after 4 hours?
15 miles

d) How far did the cyclist travel in total?
30 miles

e) How far did the cyclist travel between 4 and 6 hours?
0 miles

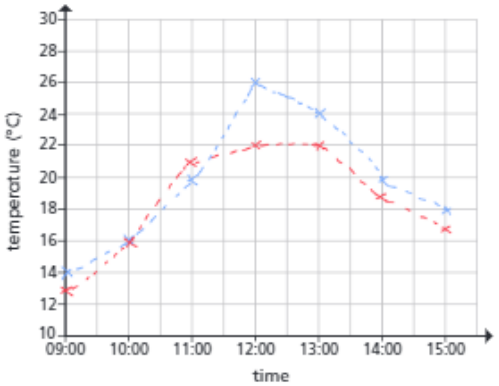
What might have happened during this time?

© White Rose Maths 2020

**3** The table shows the temperature outside on Monday.

| Time | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 |
|---|---|---|---|---|---|---|---|
| Temperature (°C) | 14 | 16 | 20 | 26 | 24 | 20 | 18 |

a) Use the information in the table to complete the line graph.




Key Monday _____ Tuesday _ _ _ _

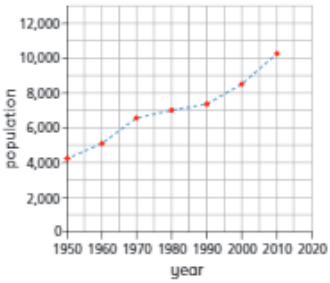
b) On Tuesday, the following temperatures were recorded.

| Time | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 |
|---|---|---|---|---|---|---|---|
| Temperature (°C) | 13 | 16 | 21 | 22 | 22 | 19 | 17 |

Add the new information to your line graph using a different colour and complete the key.

c) At what time was it hotter on Tuesday than on Monday?
11:00

**4** The graph shows the population of a town from 1950 to 2010




a) Circle the correct word to complete the statement.
The population of the town **increased** / **decreased** from 1950 to 2010

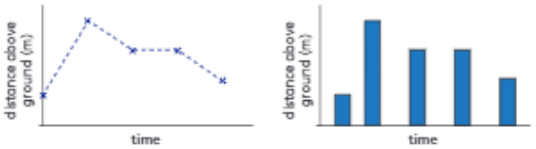
b) Estimate the highest recorded population. 10,200

c) In what year did the population first reach 7,000? 1980

d) Estimate the population in 1970 6,500

e) Estimate the population in 2006 9,500

**5** The line graph and bar chart both show the distance above ground of a bird.




Which representation is more appropriate? line graph
Explain your choice to a partner.

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# English – Friday 9th July

## SPaG Starter:

Look at the heading of the article below. **Write an alternative heading** in the box.

**Champions at last**

After a wait of thirty years, Blagborough Town Football Club can finally call themselves 'Team of the Year'. A thrillingly close final match last Saturday ended in a 3-2 victory for our local team.

"It's amazing," said Ant Trainer, coach for the club. "We have all worked really hard for this and I'm so proud of my team."

Read the sentence below. **Circle the conjunction.**

Adam is good at rugby although he doesn't play very often.

## Main Lesson:

**My Place**

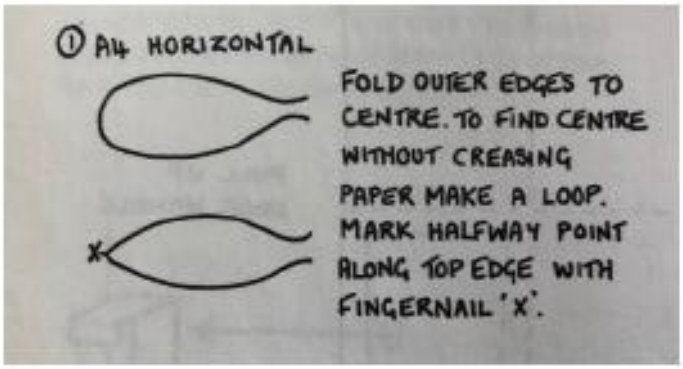
Jot down words and phrases to describe the place you would like to escape to. It can be real or imaginary.

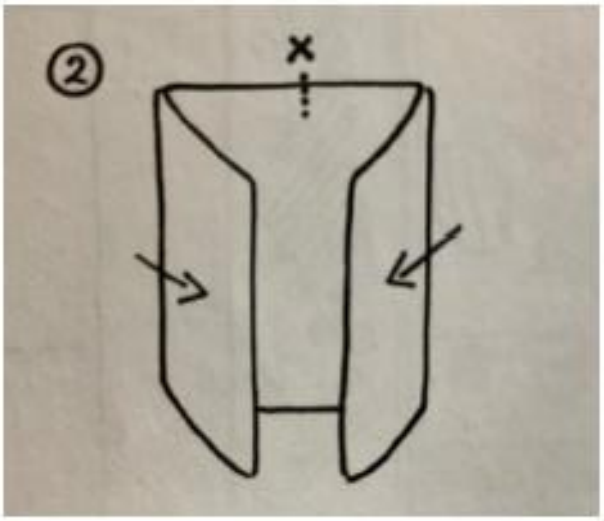
You could use a thesaurus to help you. (www.thesaurus.com)

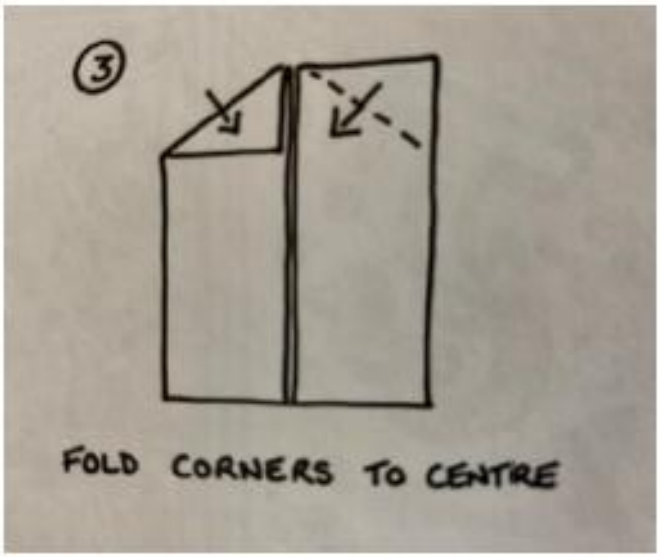
Use the *Tabernacle Card Instructions*. Put the phrases and words on the outside of your Tabernacle Card and draw and label your place on the inside of the card.

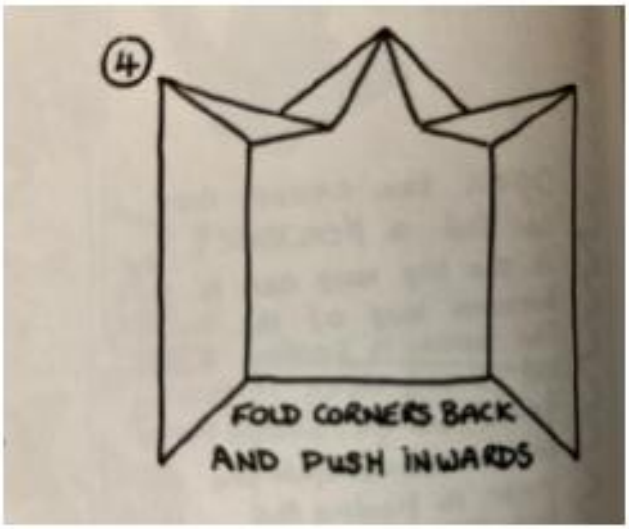
# Tabernacle Card Instructions

Make a Tabernacle Card from A4 plain paper by following these steps.




*From A Book of One's Own by Paul Johnson*

Art – Friday 11th July

Today we are going to inspired by the artist Howard Hdgkin.

# All About Howard Hodgkin
## (1932-present)

Howard Hodgkin **paints shapes in bright colours.** His work is called 'abstract' because it shows feelings rather than being a painting of exactly how something looks.

**His paintings are often compared to those of Henri Matisse.**

His work **shows lots of emotions.**

**He paints extremely slowly,** sometimes taking up to **nine years** to finish one painting.

He once said that **painting was like putting a message in a bottle and throwing it out to sea.** So, Howard Hodgkin **gives us clues about what he has painted, but he wants people to look at the paintings and work out how they feel about them.**

When he is getting ready to start a new painting he doesn't do any sketches, notes, or photographs. **He paints everything from his memory.**

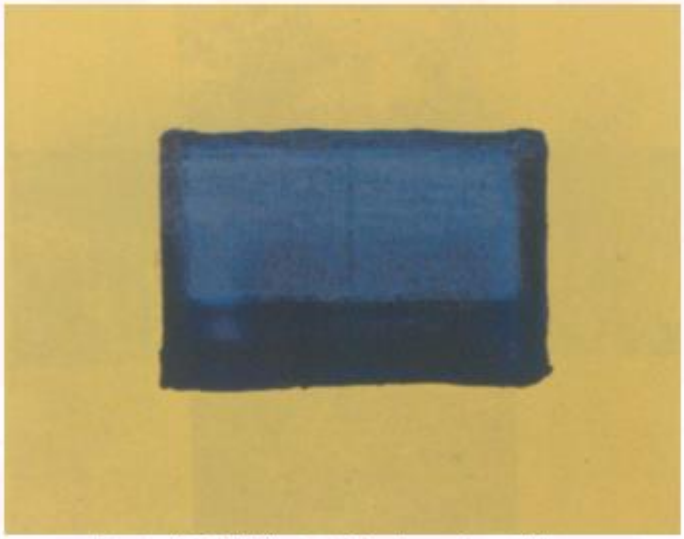
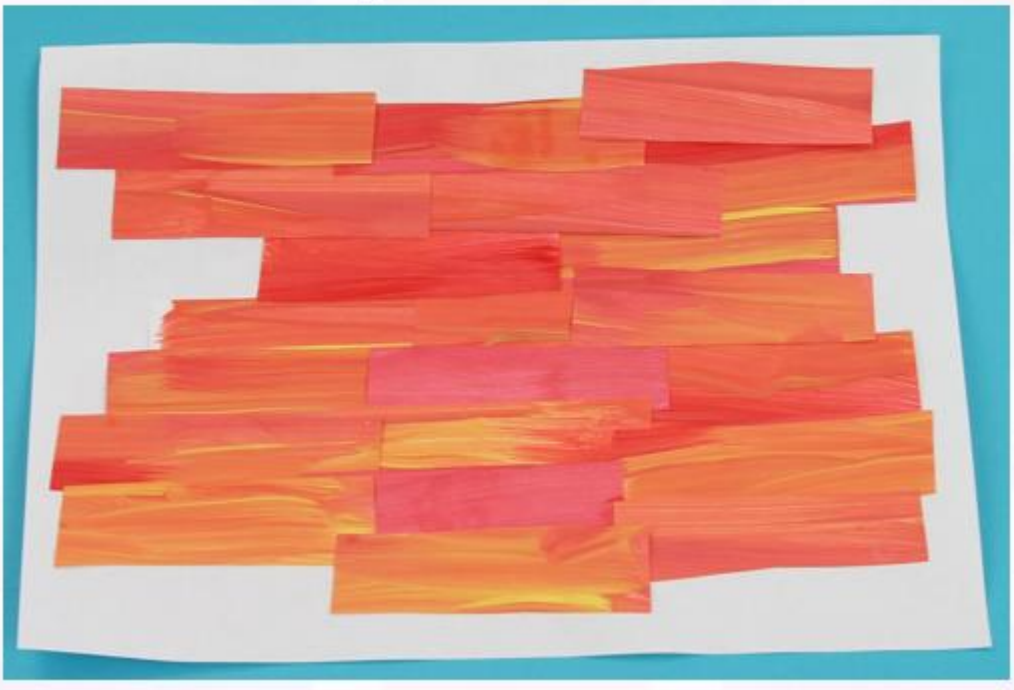


Photo courtesy of Lucian Freud (Wikicle.com) - granted under creative commons licence - attribution

**He travels a lot to India** because he is very inspired by the sights and sounds there.

# What A Good Abstract 'Cut Up' Looks Like...



# Your 'Cut Up' Abstract Painting

Your painting is going to be called

## WARM

1. **Choose** about **three colours** that you think mean 'warm'.
2. **Paint big, bold shapes on your paper.** You don't need any details.
3. Leave the painting to dry.
4. **Cut up** the painting into strips.
5. **Arrange the strips** however you want to.
6. **Stick the strips down onto another piece of paper.**