

Wednesday 3rd June

Dear Year 6,

We hope you and your families are keeping well and have had a good week.

Here are the activities for this week for you to follow and complete. Our focus in English this week is SPaG so there are lots of activities to keep you busy and revisit key concepts.

We've attached a reading challenge that we would like you to try and complete this month. There are lots of books that you can read or listen to online for free. Two websites we would recommend are:

<https://readon.myon.co.uk/>

<https://stories.audible.com/start-listen>

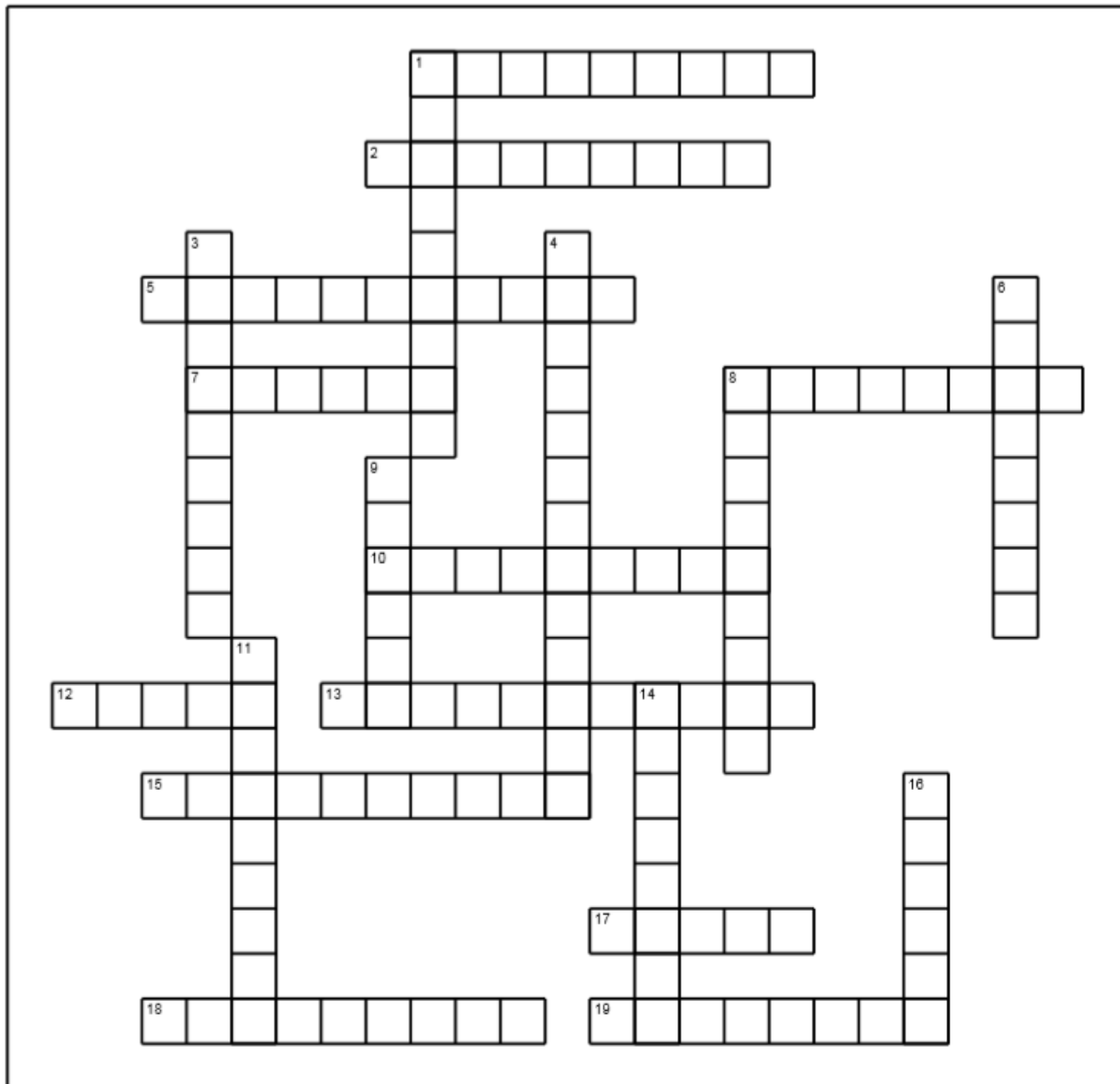
Try to read for at least 20 minutes a day and take Accelerated Reader quizzes from home by using this link [Howley Grange Renaissance at home](#) and logging on as usual using your username and password. To check that the book you are reading has a quiz, you can check it using on [Accelerated Reader Bookfinder](#). It's okay to read books which haven't got a quiz - just keep a record of what you have read.

As always, remember to take time to relax, exercise and be kind to yourselves and each other.

Take care and keep smiling,

Mrs Graham and Mrs North

English Activity 3 - Year 5 and 6 spellings



Across

1. a special right
2. it sits to discuss
5. how hot or cold something is
7. regular, repeated pattern in sound
8. where an arm joins your body
10. give up something valuable
12. words with the same sound ___; eg blow, no, know, so, though
13. at once
15. a job especially one that has a long training period for
17. line up to wait your turn
18. an opinion not based on reason
19. to do with the body rather than the mind

Down

1. I saw a funny ____ on television last night
3. a personal assistant in an office
4. how you speak words
6. who someone is
8. Dear Mr Blogs, yours _____ Mr Smith
9. a way of doing things
11. know again
14. completing carefully - doing a ____ job
16. eg + - x = £ \$ ÷

Challenge: how many of these words can you put into a short story?

Maths Activity 3a - ten in ten 😊

- 1) $5.907 + 3.65 + 36 =$
- 2) Give 6 factors of 42 =
- 3) 5 and $\frac{1}{2}$ hours = minutes
- 4) $74.24 - 8.285 =$
- 5) 3% of 400 =
- 6) Give 2 prime numbers between 20 -30
- 7) $0.6 \times 49 =$
- 8) 798,673 divided by 100 =
- 9) 14.00 = in 12 hour clock
- 10) $634 \times 74 =$

Extension

- 11) $\frac{3}{4} - \frac{3}{8} =$
- 12) $\frac{4}{5}$ divided by 4 =
- 13) 45% of 460 =
- 14) $\frac{2}{6} - \frac{1}{8} =$

You know the rule!

Ten minutes to answer ten questions 😊

Maths Activity 3b - Equations

We have included Learning Reminders that will help you with answering today's questions.

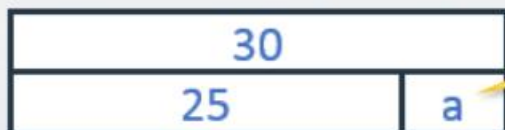
Don't forget that you can also use your Maths revision book to help you.

Learning Reminder

Express missing number problems algebraically.

$$25 + a = 30$$

This is called an **equation** and 'a' stands for a **mystery number**.



? What is a?
5

$$6b = 42$$

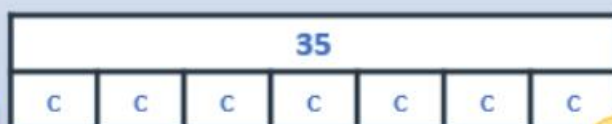
? What is b?



If 6 times something is 42, then the something must be... 7

$$35 \div c = 7$$

? What is c?



We can think of this as 7 lots of something makes 35, so c is... 5.

Express missing number problems algebraically.

$$3e + 1 = 18 - 5$$

$$3e + 1 = 13$$

$$3e = 12$$

$$\text{So } e = 4$$

Which part can we work out first?

This one needs a bit of working out first.

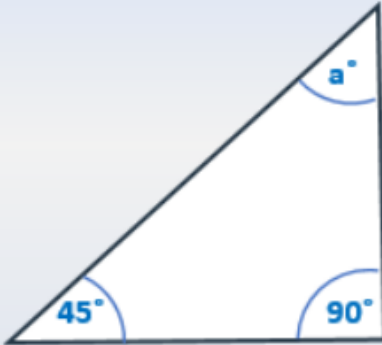
The = sign acts like the balance point in the middle of a see saw... To keep it balanced, we must change one side of the balance by the same amount as the other. So, if we subtract 1 from one side of the = sign, we must do the same to the other.

$$3 \times 5 = 17 - d$$

First, we need to calculate 3×5 .
 $15 = 17 - d$, so d must be...?

Learning Reminder continued

Express missing number problems algebraically.

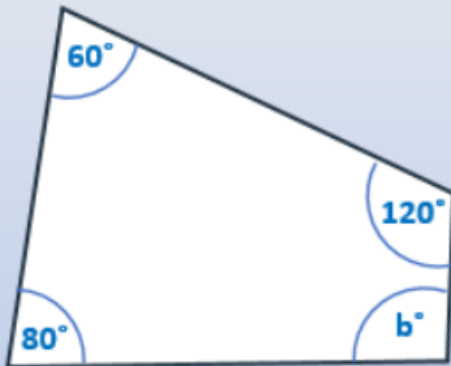


What is the total of the angles inside a triangle?
How can we find a? ?

$$90^\circ + 45^\circ + a^\circ = 180^\circ$$

$$135^\circ + a^\circ = 180^\circ$$

$$\text{So } a = 45^\circ$$



What is the total of the angles inside a quadrilateral?
How can we find b? ?

$$80^\circ + 60^\circ + 120^\circ + b^\circ = 360^\circ$$

$$260^\circ + b^\circ = 360$$

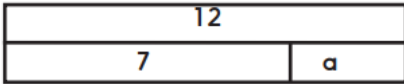
$$\text{So } b = 100^\circ$$

Maths Activity 3b ** and ***

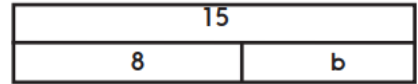
Solving equations

Solve these equations:

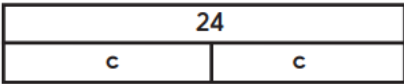
1. $7 + a = 12$



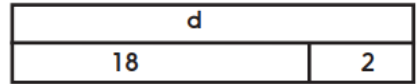
2. $15 - b = 8$



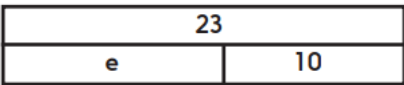
3. $2c = 24$



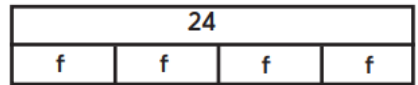
4. $d - 2 = 18$



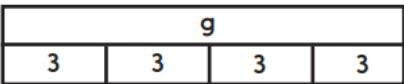
5. $e + 10 = 23$



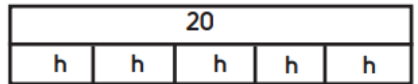
6. $4f = 24$



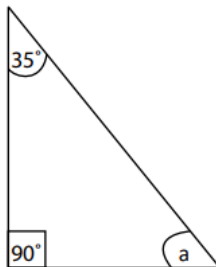
7. $g \div 3 = 4$



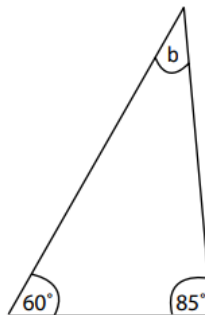
8. $20 \div h = 5$



9. $90^\circ + 35^\circ + a = 180^\circ$



10. $60^\circ + 85^\circ + b = 180^\circ$



Solving equations

Solve these equations:

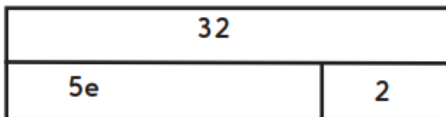
1. $15 - a = 7$

2. $8 + b = 13$

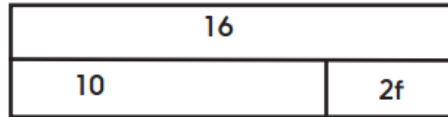
3. $4c = 48$

4. $90 \div d = 3$

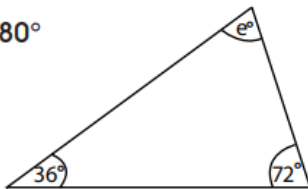
5. $5e + 2 = 32$



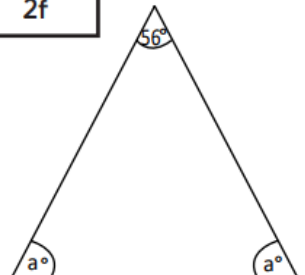
6. $10 + 2f = 16$



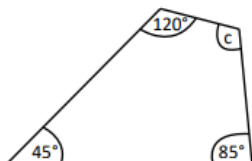
7. $72^\circ + 36^\circ + e = 180^\circ$



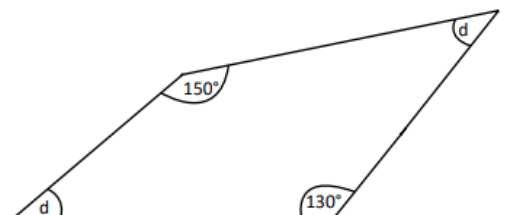
8. $56^\circ + 2a = 180^\circ$



9. $45^\circ + 85^\circ + 120^\circ + c = 360^\circ$



10. $130^\circ + 150^\circ + 2d = 360^\circ$



Maths Activity 3c - Challenge

Investigation Algebra chain

$$a + 15 = 20 \quad a =$$

$$ab = 40 \quad b =$$

$$c \div b = 2 \quad c =$$

$$d - c = 24 \quad d =$$

$$de = 120 \quad e =$$

$$ae = 15 \quad \text{check!}$$



- Work out what a represents in the first equation.
- a represents the same number in the second equation. So, use 5 instead of a to work out what b represents, i.e. $5 \times b = 40$.
- Now work out b , use this in the third equation, work out c , use this in the next equation and so on.
- The last equation is a check! If your answers for a and e don't multiply to make 15, you have made a mistake somewhere.

Challenge

Can you create a similar chain of equations?

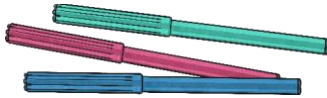
Art - personality swirl



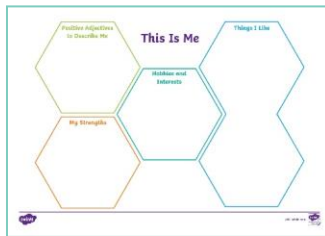
What You Will Need

You will need:

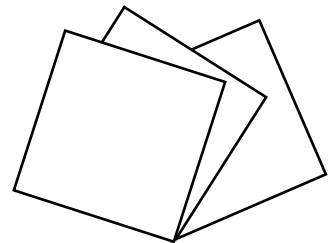
- A square piece of white paper or the printed swirl sheet
- This Is Me Activity Sheet
- Felt-tip pens or coloured pencils



Felt-tip pens



This Is Me
Activity
Sheet

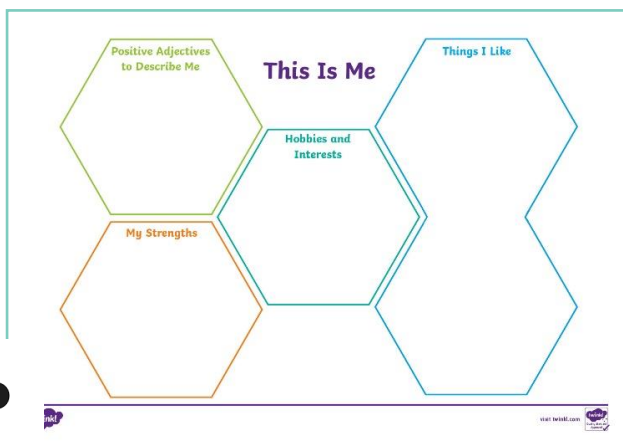


Square paper

It's All about Me !

There is only one of you.
You have many positive qualities.

Use the This Is Me Activity Sheet to jot down as many positive adjectives about yourself and your strengths in one minute.



Helpful Hint
Ask other people about your positive qualities and strengths if you are finding it hard to think of all of yours.

This Is Me

Positive Adjectives
to Describe Me

Things I Like

Hobbies and
Interests

My Strengths

Choose Your Fonts

A font is a style of writing.
You can use a variety of fonts.

Make sure the letters are large
enough so you are able to colour them
in.

Top Tip:
Practising the
letters on scrap
paper before you
complete your final
design might help
you to form your
chosen font.

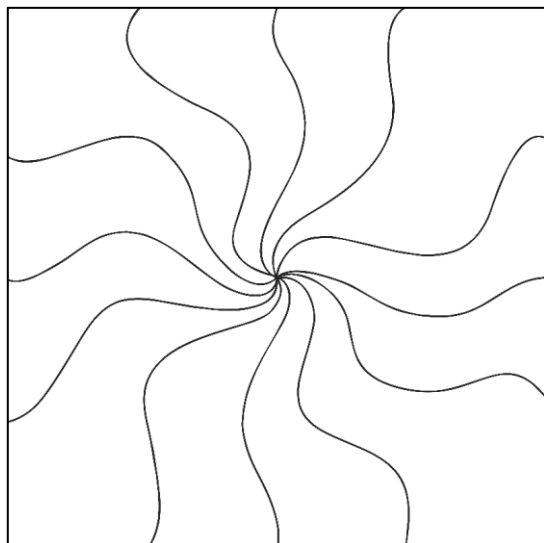
ABC

DEF

GHI

JKL

Drawing the Swirl



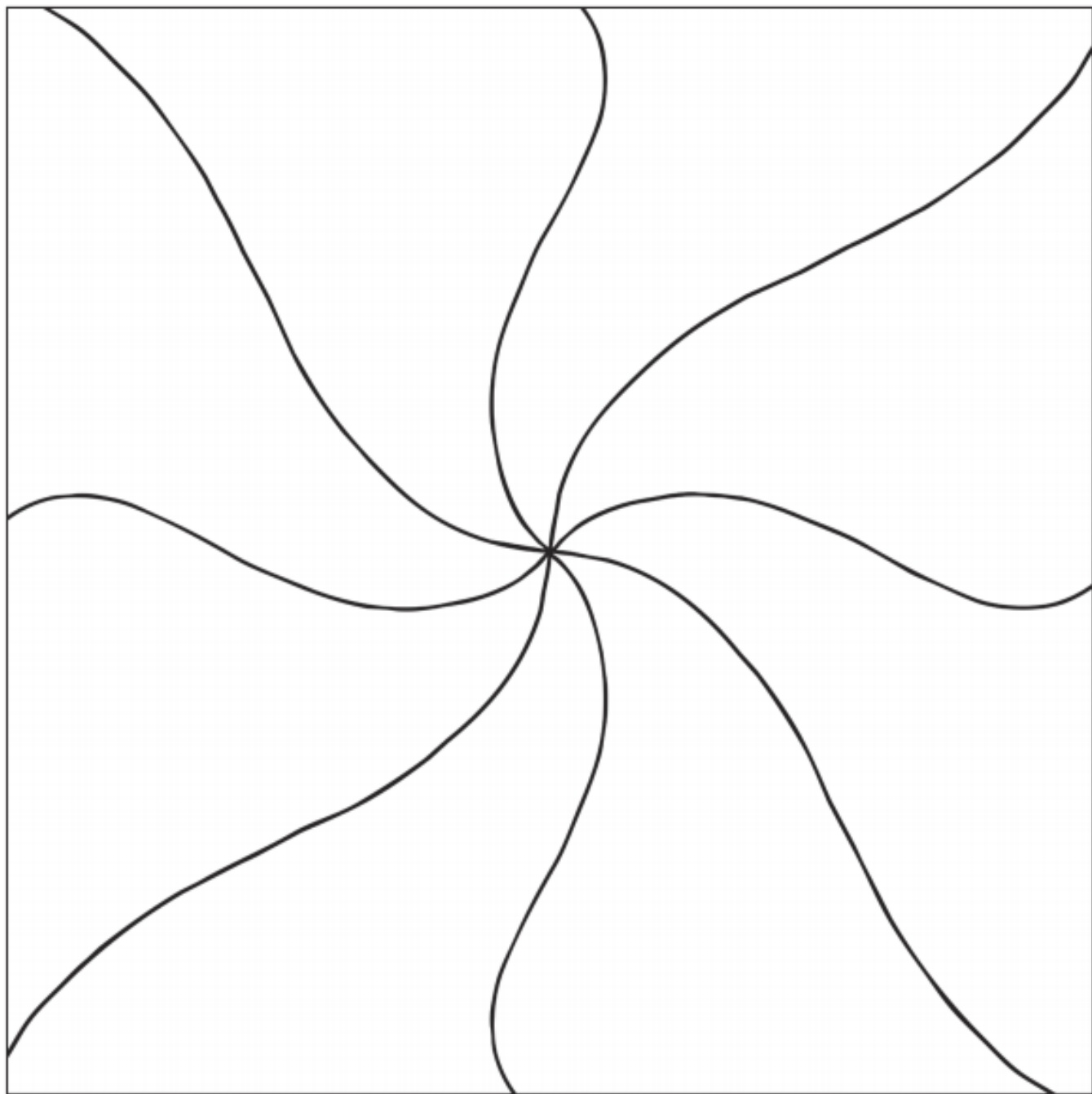
Get your square piece of paper.
Find the middle point by loosely
folding the square in half and
then in quarters.

Open out the square and mark a
dot in the centre.
From the centre point, draw
four curved lines to each of the
corners. Then, draw eight more
evenly-spaced curved lined
between the four lines.

It should look like the example.

You can print off the next slide
if you prefer.

Swirl Template

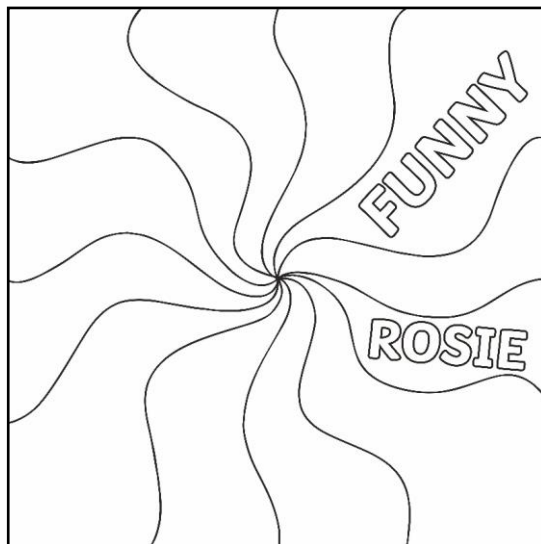


Word Styles

Now, using your choice of font, write your name in one of the sections.

Miss a section and then write five words from the This Is Me Activity Sheet about your interests and personality.

Remember to write the words only in alternate sections.

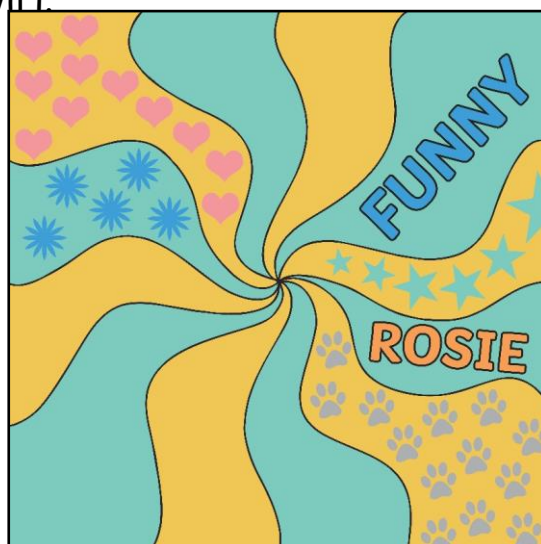


Perfect Patterns

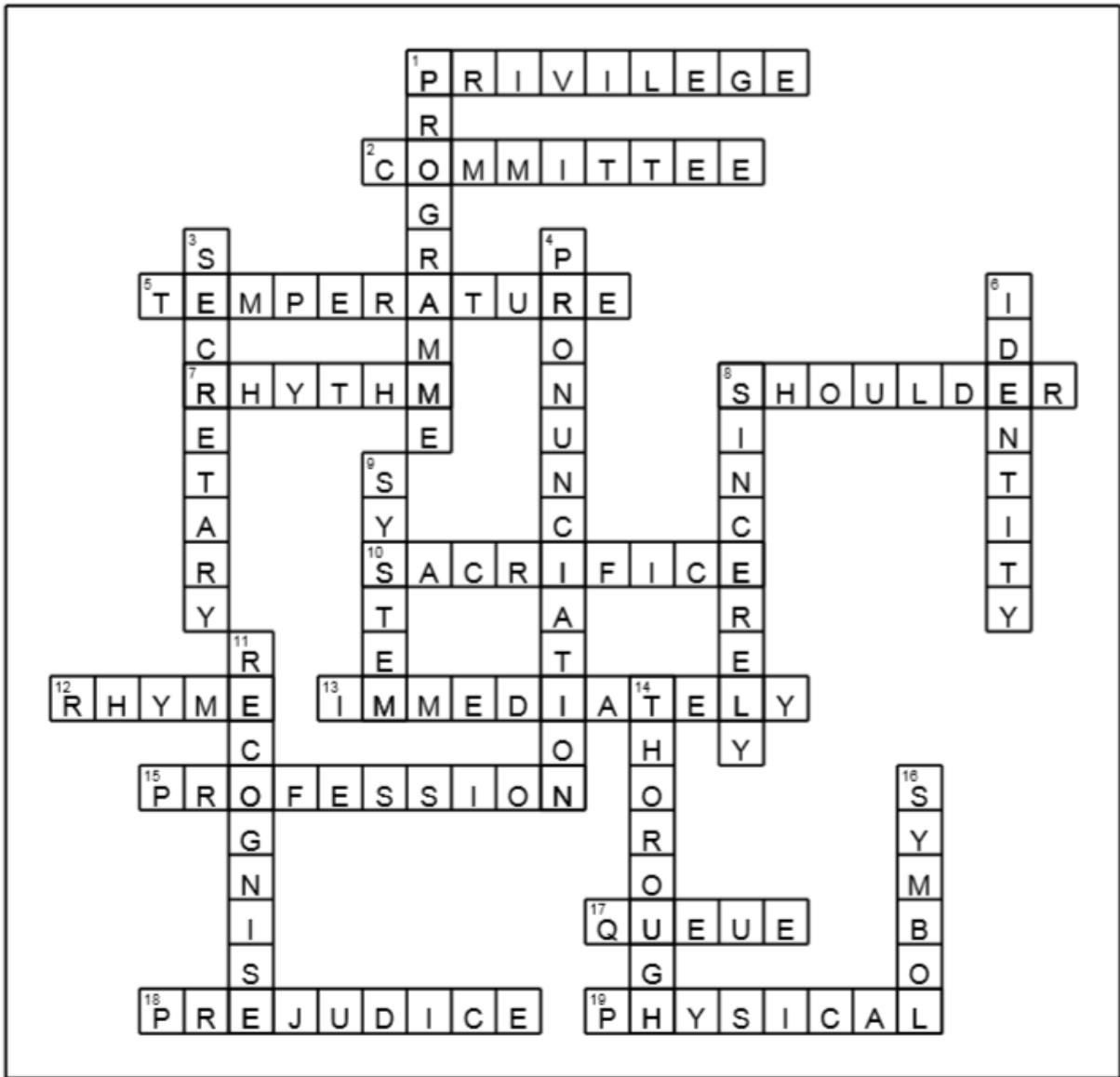
Next, fill in the blank spaces with patterns.

You might choose one pattern for all the swirls or you might choose to use different patterns in each swirl.

Colour in your artwork using felt-tip pens or coloured pencils.



ANSWERS English Activity 3 - Year 5 and 6 spellings



Across

1. a special right
2. it sits to discuss
5. how hot or cold something is
7. regular, repeated pattern in sound
8. where an arm joins your body
10. give up something valuable
12. words with the same sound __; eg blow, no, know, so, though
13. at once
15. a job especially one that has a long training period for
17. line up to wait your turn
18. an opinion not based on reason
19. to do with the body rather than the mind

Down

1. I saw a funny _____ on television last night
3. a personal assistant in an office
4. how you speak words
6. who someone is
8. Dear Mr Blogs, yours _____ Mr Smith
9. a way of doing things
11. know again
14. completing carefully - doing a _____ job
16. eg + - x = £ \$ +

ANSWERS Activity 3a - Ten in ten

- 1) 45.557
- 2) 1, 42, 2, 21, 3, 14, 6, 7
- 3) 330
- 4) 65.955
- 5) 12
- 6) 23, 29
- 7) 29.4
- 8) 7986.73
- 9) 2pm
- 10) 46916
- 11) $\frac{3}{8}$
- 12) $\frac{4}{20}$
- 13) 207
- 14) $\frac{10}{48}$ or $\frac{5}{24}$

ANSWERS Maths Activity 3b ** and ***

Solving equations (mild)

1. $a = 5$
2. $b = 7$
3. $c = 12$
4. $d = 20$
5. $e = 13$
6. $f = 6$
7. $g = 12$
8. $h = 4$
9. $a = 55^\circ$
10. $b = 35^\circ$

Solving equations (hot)

1. $a = 8$
2. $b = 5$
3. $c = 12$
4. $d = 30$
5. $e = 6$
6. $f = 3$
7. $e = 72^\circ$
8. $a = 62^\circ$
9. $c = 110^\circ$
10. $d = 40^\circ$