

YEAR 5 HOMEWORK - Answers



YEAR 5 Maths

Skill 1: Converting fractions, decimals and percentages.

1. $1/5 = 20\%$ or 0.2
2. $2/5 = 40\%$ or 0.4

Make each number sentence correct using $=$, $>$ or $<$.

$\frac{3}{4}$	$>$	$\frac{1}{2}$
$\frac{3}{8}$	$<$	$\frac{1}{2}$
$\frac{3}{4}$	$>$	$\frac{3}{8}$

$1 \frac{3}{4}$	$<$	$2 \frac{1}{2}$
$\frac{3}{2}$	$=$	$1 \frac{1}{2}$
$3 \frac{3}{4}$	$>$	$3 \frac{3}{8}$

$\frac{2}{4}$	$=$	$\frac{1}{2}$
$\frac{2}{5}$	$=$	$\frac{4}{10}$
$\frac{2}{5}$	$<$	$\frac{5}{10}$

Write down two fractions where the denominator of one is a multiple of the denominator of the other.

Which is the larger fraction?

Explain your reasoning.

Example answer:
 $2/5$ and $3/10$

$2/5$ is the fraction which has the multiple as 5 is a multiple of 10.
When you convert $2/5$ to have the same denominator as 10 it would become $4/10$. Therefore, $2/5$ is the larger fraction.

YEAR 5 Maths

Skill Input: Multiplying with negative numbers Answers

$4 \times 7 = 28$

$9 \times -7 = -63$

$9 \times -9 = -81$

$-4 \times -3 = 12$

$-8 \times -7 = 56$

$-6 \times -7 = 42$

$-12 \times -6 = 72$

$-12 \times -11 = 132$

$-12 \times 12 = -144$

$-100 \times 35 = -3500$

$-100 \times 12 = -1200$

$-100 \times 2.3 = -230$

$-250 \times 4 = -1000$

$-0.5 \times 22 = -11$

$0.5 \times -60 = -30$

$25 \times -3 = -75$

$7 \times -3 = -21$

$2.2 \times -3 = -6.6$

Skill Input: Dividing with negative numbers

$42 \div 7 = 6$

$91 \div -7 = -13$

$99 \div -11 = -9$

$-33 \div -3 = 11$

$400 \div -8 = -50$

$-42 \div -7 = 6$

$-12 \div -6 = 2$

$-121 \div -11 = 11$

$-125 \div 25 = -5$

$-100 \div 25 = -4$

$-100 \div 0.5 = -200$

$-100 \div 5 = -20$

$-36 \div 4 = -9$

$-360 \div 6 = -60$

$5 \div -0.5 = -10$

$27 \div -3 = -9$

$69 \div -3 = -23$

$-90 \div -3 = 30$

YEAR 5 Maths

S: Order of operations - ANSWERS

$$5 \times 4 + 5 = 25$$

$$12 \div 6 - 1 = 1$$

$$5 + 4 \times 5 = 25$$

$$5 \times 2 + 5 = 15$$

$$5 \times 6 \div 3 = 10$$

$$3 + 10 \times 2 = 23$$

$$20 - 50 \div 5 = 10$$

$$15 \times 4 + 50 = 110$$

$$180 \div 6 - 18 = 12$$

$$5 + 0.5 \times 40 = 25$$

$$300 - 4 \times -60 = 540$$

$$0.5 \times 600 \div 20 = 15$$

$$-30 + 15 \times 2 = 0$$

$$-5 - 50 \div -5 = 5$$

$$7 - 4 \times 6 = -17$$

$$18 \div -6 - 1 = -4$$

$$35 + 4 \times -5 = 15$$

$$80 - 4 \times 6 = 56$$

$$10 \times -6 \div 3 = -20$$

$$-65 + 15 \times 4 = -5$$

$$-12 - 20 \div 0.5 = -52$$

Fluency Input: 10 minute arithmetic ANSWERS

$34.6 + 75.8 = 110.4$	$45 \times 5 = 225$	$9.9 - 4.2 = 5.7$	$-4 \times -6 = 24$
$4567 - 89.7 = 4,477.3$	$345 \times 5 = 1,725$	$3 + 4 \times 8 = 35$	$3^2 + 2^3 = 17$
$0.5 \times 84 = 42$	$3.07 \times 1000 = 3,070$	$300\text{ml} + 2.6\text{ l} = 2,900\text{ml} / 2.9\text{l}$	$560\text{mm} = 56\text{cm}$
$\frac{1}{2} + \frac{3}{4} = 1\frac{1}{4}$	$-50 + -70 = -120$	$90\text{mm} + 4.6\text{cm} = 13.6\text{cm}$	$3 - 50 \div 5 = -7$

YEAR 5 Maths - Arithmetic Answers

Guidance: Children will have 15 minutes for this test. Long division and long multiplication questions are worth **2 marks** each. For 2 mark questions children will be awarded both marks for a correct answer. Children may get 1 mark for showing a formal method. All other questions are worth 1 mark each.

question	answer	marks
1	96	1
2	$\frac{1}{6}$ or $\frac{2}{12}$	1
3	6132	1
4	56	1
5	539	1
6	11.1	1
7	9001	1
8	75 510	1
9	70	1
10	702	1
11	18.77	1
12	$1\frac{5}{12}$	1
13	45 187	2
14	203	2
15	$\frac{3}{8}$	1
16	$\frac{11}{48}$	1
17	15.05	1
18	737.1	1

YEAR 5 Reading - Text 1 Answers

ANSWERS

1. What does the word 'adrenaline' mean? Tick the closest meaning.

the feeling you get when you are happy ☐

the adrenal glands in the body ☐

a substance that is released in the body of a person who is feeling a strong emotion (such as excitement or anger). This substance causes the heart to beat faster and gives the person more energy ☒

2. Why do you think they have chosen to call the theme park Adrenaline Towers? (2 marks)

They have called it Adrenaline Towers as there are lots of fast rollercoasters there. When the visitors go on the rollercoasters, they will get a release of adrenaline as they will feel both excited and scared on the thrilling rides. They have used towers in their name also as there are lots of tall rollercoasters in the theme park.

3. Find and copy one example of a rhetorical question in the article.

Children can have ONE of the following:

- Looking for an exhilarating adventure to fill a day out?
- Stuck for ideas to entertain the WHOLE family?
- Tired of your children saying they are bored?
- What are you waiting for?

4. What other names are used to describe Adrenaline Towers in the article?

Tick all that apply.

swimming pool

☐

theme park

☒

Perpetual Python

☐

themed park

☐

leisure resort

☒

Alton Towers

☐

5. What rides are there to attract younger guests?

character-themed attractions

YEAR 5 Reading - Text 1 Answers

6. Name two other places/areas you can visit apart from the fast rollercoasters.

Children write two of the following –

- Slower-paced attractions based on much-loved current TV characters and programmes
- vibrant stage shows
- Mouth-watering food courts
- Ample open areas to take a much needed break from the world.

7. Who does Josie Burnett work for and what do you think her job is?

Josie works for Great Days Out UK. Her job could be a journalist/reporter/reviewer/theme park expert/ tourism specialist

8. What two offers are available to the readers of this article?

1. 20% off your gate entry for the whole of June
2. Free return voucher

9. In the final paragraph, there is a call to action to the reader. Describe how the leaflet persuades the reader to act. (3 marks)

Children use the following examples of evidence to explain how the paragraph is persuasive:

It uses exaggeration to compel the reader to want to try out the theme park e.g.

“Adrenaline Towers will definitely change your view on days out forever”.

It gives the sense this is a special time-limited offer that you don’t want to miss out on, so it compels you to act quickly - “Booking bargain tickets early is essential not just advisable”

When it says “You don’t want to be the ones who miss out!” it is using emotive language making the reader question themselves and their actions – if they don’t buy tickets, then they are going to miss something special for them and their families.

The use of a rhetorical question is a direct address and question to the reader, e.g.

“So, what are you waiting for?”

The writer uses an imperative command to demand that the reader acts now, e.g. “Book yours NOW!”

YEAR 5 Reading - Text 1 Answers

10. In the following description of the ride, Perpetual Python, how is the ride compared to a snake? (3 marks)

Perpetual Python – the ride of the future – slithers into action at an electrifying 65 mph for over a mile-long track. It's massive. It's powerful. It's a whole new species of coaster.

1. It has python in its name, which is a scary snake.
2. It uses the term 'slithers', which is the action and movement of a snake. The ride may move and curl like a snake.
3. The term electrifying could refer to the bite and sting of a snake making you feel like you have been electrocuted.
4. It is a long track like the length of a snake.
5. It is powerful like a snake.
6. It calls the rollercoaster a species, so it trying to classify it as an animal, which is how we classify snakes.

YEAR 5 Reading - Text 2 Answers

Answers

DIFFICULTY : EASY

1. Tick which sentence explains what "a rite of passage for children" means.

A passage that a child travels through to get to a fairground.



An event that marks a major milestone or significant experience in a person's life, that is very memorable to them



An argument that people have about children.



2. According to the text, state three things that make a visit to the fairground unforgettable.

Children state three of the following:

the music, the games, the fluffiness and sweet taste of the candyfloss or the thrill of the exciting rides

Do not accept something that is not directly derived from the text.

3. What did Frederick Savage invent?

He invented a steam engine mounted in the centre of a ride that powered the fairground ride.

4. What else has the Carousel been called in the past?

Any of the following terms – English Gallopers/ Gallopers/ Dobbies.

5. Which definition is closest in meaning to the word clamour? Tick one definition.

☐ A shellfish

☐ People racing to try and get somewhere or something fast

☒ a loud noise, especially that of people shouting or insisting about something

YEAR 5 Reading - Text 2 Answers

Answers

DIFFICULTY : EASY

6. Name two items that the Silcocks showcased in their original travelling fair.

Name two of the following:

A set of swings, a children's ride, a barrel organ or a set of Gallopers (Carousel)

7. How have the Silcock family ensured people still visit their travelling fair?

The Silcocks have evolved and developed the business to keep it relevant. They make sure that their business reflects what the modern culture likes and enjoys, and is what people want to have and see at their fairground e.g. video arcade games or fast food kiosks.

8. In the game named "Coconut Shy", what does the word "Shy" mean? Tick one box.

To feel scared or nervous ☐

To be short of something ☐

To toss or throw ☒

True

False

9. Fairgrounds still exist today.



10. According to the text, tick all of the places where there are still fairgrounds today.
(2 marks)

Two marks for all 4. One mark for three ticks. No marks if any incorrect places ticked.

Sydney ☒

Glasgow ☐

Coney Island ☒

Alton Towers ☐

Blackpool ☒

Disneyland ☐

Margate ☒

London ☐

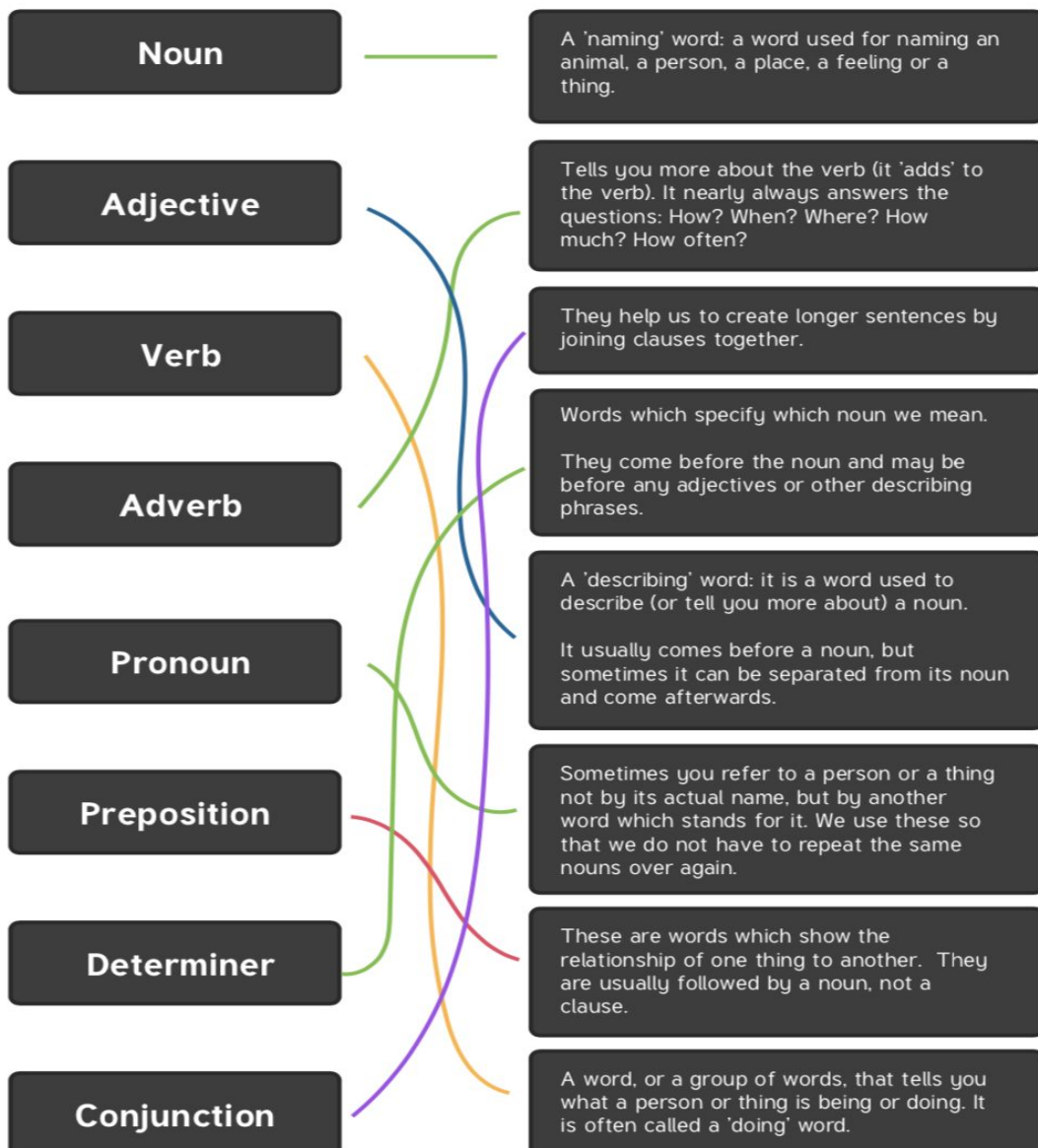
YEAR 5 Grammar - Skill 1 Answers

Task one - Show me what you already know!

ANSWERS

Draw lines from each word class to its definition.

Time taken:



YEAR 5 Grammar - Skill 1 Answers

Task two - Proper noun game

ANSWERS

Think of an example for each of these, beginning with the letter 'L'

1. A chocolate bar	Lion, Lindor, Lindt
2. A famous person	Lionel Messi, Lady Gaga, Lewis Capaldi
3. A town or city	London, Liverpool, Leicester, Lincoln
4. The first name of a child in this school	*School dependent
5. A famous singer or group	Little Mix, Lady Gaga
6. A country	Lithuania, Latvia, Libya, Laos

YEAR 5 Grammar - Skill 1 Answers

Task three - Noun Sorter

ANSWERS

Sort the following nouns into their correct sub-category in the table below.

hatred	Boxing Day	joy	team
baby	St Paul's Road	horse	banana
opinion	pack	herd	Mr Butler
sea	jealousy	street	Buckingham Palace
	Meghan Markle	family	

Proper Nouns	Common Nouns		
	Collective Nouns	Abstract Nouns	Concrete Nouns
Meghan Markle	herd	jealousy	horse
Boxing Day	pack	hatred	baby
St Paul's Road	family	joy	street
Buckingham Palace	team	opinion	sea
Mr Butler			banana

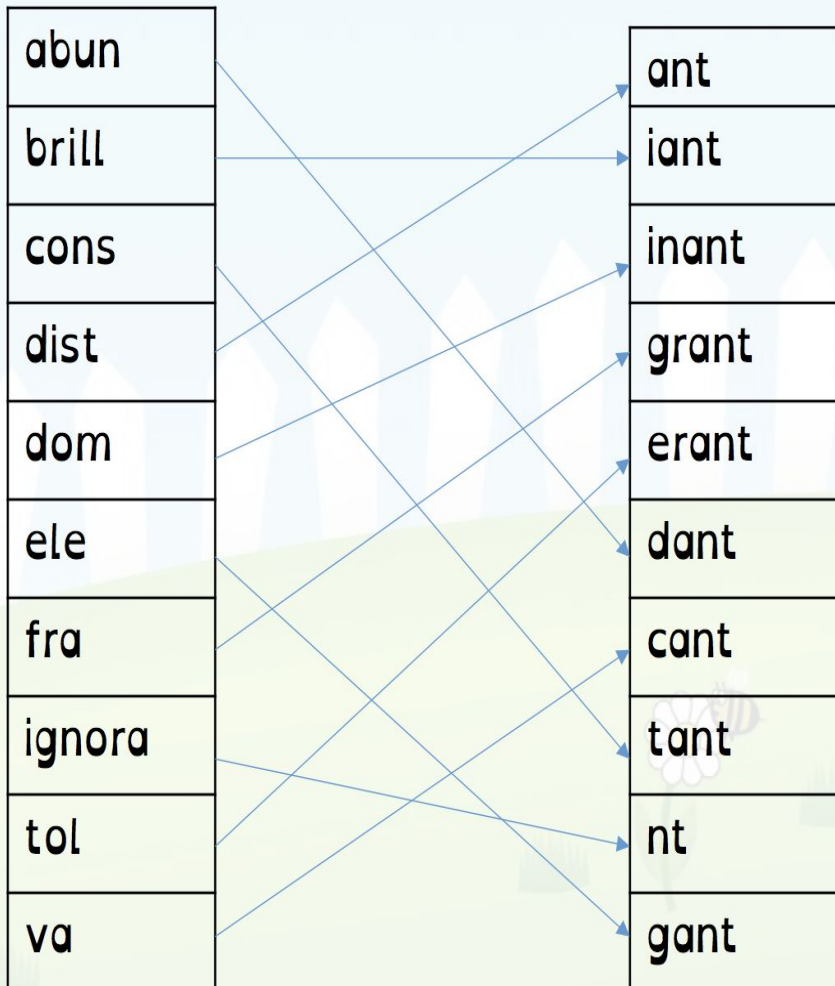
YEAR 5 Grammar - Skill 2 Answers

Colour in the grid using the key below.

blue = proper noun	red = abstract noun	brown = collective noun	green = common noun	yellow = compound noun	concrete noun = 0
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person 0	Rob 0	network 0	class 0	pocketknife 0	Tim 0	sympathy	chimney 0
Barbie 0	England 0	Sony 0	guidebook 0	orchard 0	loyalty	forest 0	justice
information 0	Ribena 0	computer 0	flock 0	sportsman 0	soil 0	misery	fleet 0
parent 0	Cadbury's 0	wheelchair 0	rainbow 0	troupe 0	London 0	window 0	knowledge
Tesco 0	Devon 0	Alice 0	galaxy 0	headquarters 0	Wales 0	business 0	belief
student 0	Spain 0	inferno 0	paperback 0	quiver 0	president 0	intelligence	clan 0
skip 0	Ben 10 0	floodlight 0	bouquet 0	clockwork 0	awe	congregation 0	honesty
France 0	Xbox 0	Ireland 0	windpipe 0	army 0	Lucy 0	chaos	air 0

YEAR 5 Spelling Rule Answers



Your spellings have been split and scrambled.

Draw a straight line to match the two parts of each spelling or write them on your whiteboard.

YEAR 5 Science Answers

Year 5 Living Things and Their Habitats **Answers**

<p>Fill in the words to complete the sentences:</p> <p>An insect is a creature whose body is split into three sections called the head, the thorax and the abdomen.</p> <p>It has an exoskeleton. There are around one million species including ants, bees and butterflies.</p> <p>A bird is a vertebrate. It has a beak, feathers and wings. Examples include owls, swans and sparrows. Not all species can fly.</p> <p>A mammal is a warm-blooded creature that gives birth to live babies. It has fur or hair. The largest in the world is the blue whale and the smallest is the bumblebee bat.</p> <p>An amphibian is a cold-blooded creature. It can breathe in and out of water. Frogs and toads are examples of these creatures.</p>	<p>Tick the correct answer:</p> <p>This is the life cycle of...</p> <p>a bird <input type="checkbox"/></p> <p>an insect <input type="checkbox"/></p> <p>an amphibian <input type="checkbox"/></p> <p>a mammal <input checked="" type="checkbox"/></p>
<p>What is a life cycle?</p> <p><u>A life cycle is a journey of changes that take place throughout the life of a living thing including birth, growing up and reproduction.</u></p>	<div style="text-align: center;"> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">1. An embryo grows inside the mother, who it is completely reliant upon.</div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; width: 45%;">3. The independent adult usually seeks company from the opposite sex and mates. The adult female nurses her young.</div> <div style="border: 1px solid black; padding: 5px; width: 45%;">2. Main period of growth and developing independence from the parents.</div> </div> </div>

Year 5 Living Things and Their Habitats **Answers**

<p>Number the stages from 1-6 in the correct order:</p>			
6	The tail disappears and it starts to eat insects instead of plants. It takes 2-4 years to become an adult and lay eggs.	3	It swims and eats plants. It breathes through gills.
4	The tadpole grows fins and a stronger tail. Then it develops lungs and hind legs.	2	After 2-25 days, the tadpole hatches from the egg.
1	The female lays a mass of eggs which are fertilised by the male.	5	The tadpole grows front legs and its tail shortens. It uses nutrients in its tail as food. It jumps out of the water on to land.

<p>True or false? Explain and correct any facts that are false.</p>		<p>Explain the 3 stages of the life cycle of a bird.</p>
true <input type="checkbox"/> false <input checked="" type="checkbox"/>	1. Metamorphosis means 'to warm up'.	<p>1. Eggs are laid by the mother. The mother and father care for the egg until it hatches.</p> <p>2. Mother and father feed the young bird until it is old enough to fly and find its own food.</p> <p>3. The independent adult usually seeks company from the opposite sex and mates.</p>
true <input checked="" type="checkbox"/> false <input type="checkbox"/>	2. Complete metamorphosis describes what happens to insects, such as butterflies, flies and beetles.	
true <input type="checkbox"/> false <input checked="" type="checkbox"/>	3. Butterflies have three life cycle stages: egg, larva and adult.	
true <input checked="" type="checkbox"/> false <input type="checkbox"/>	4. Insects, such as grasshoppers, crickets and cockroaches have three stages during their life cycle known as incomplete metamorphosis.	
true <input checked="" type="checkbox"/> false <input type="checkbox"/>	5. The three stages of incomplete metamorphosis include egg, nymph and adult.	

YEAR 5 Science Answers

Year 5 Living Things and Their Habitats **Answers**

Complete the table:

	Mammal	Amphibian	Insect – Complete Metamorphosis	Insect – Incomplete Metamorphosis	Bird
Does this start as an egg?	No	Yes	Yes	Yes	Yes
How many stages are in the life cycle?	3	6	4	3	3
Do the young look like the adult?	Yes	No	No	Yes	Yes

Fill in the missing letters to
complete the facts:

Mammals use **sexual
reproduction** to produce
their offspring.

The male sex cell, called the
sperm, fertilises the **female**
sex cells.

Complete the sentences:

Asexual reproduction is where **one** parent is needed to create
an **offspring**, which is an exact **copy** of the parent.

Sexual reproduction requires **two** parents to make one
offspring. The offspring is similar but not **identical** to
its parent.

Living things that use sexual reproduction have sex cells
called **gametes**.

The fertilised cell divides and will form a **baby** with a
beating heart.











The baby grows inside the **mother** until the end of the **gestation**
period when the baby is born.









Not all **mammals** give birth to young. Some lay **eggs** instead, such
as the platypus.









Marsupials, such as kangaroos, are also mammals but their young
are born incompletely developed. They are then carried and fed in
a **pouch** on the female's stomach until they are fully developed.

YEAR 5



Emoji Code Breaking Answers

									
5	2	7	3	4	9	6	8	0	1







1.     +     = **7177**

2.     -     = **5552**









3.     -     = **621**

4.     +     = **7625**

5.     +     = **19 195**

6.     -     = **1883**

7.     +     = **10 831**

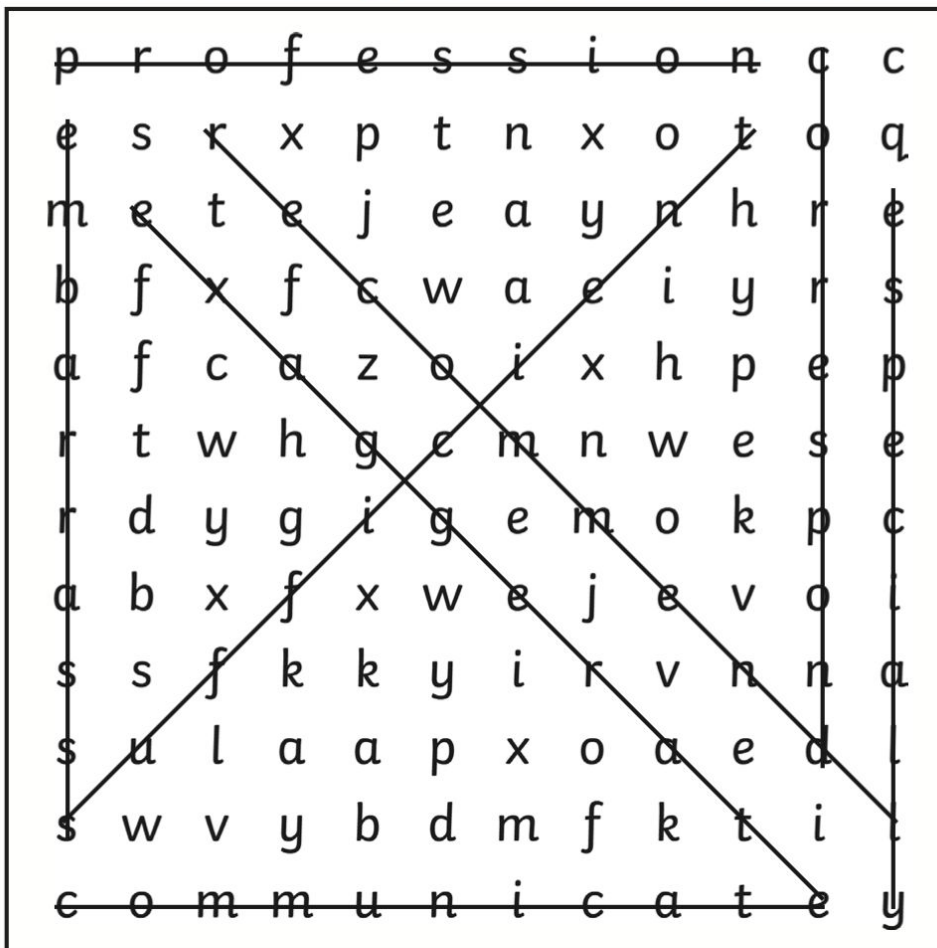
8.     -     = **3159**

9.     +     = **9519**

10.     -    = **1309**

YEAR 5

Spelling List Wordsearch Double Consonant: **Answers**



embarrass
especially
correspond
communicate

profession
sufficient
exaggerate
recommend