

YEAR 4 Maths - Answers

Skill 1

1. The rectangle has been translated 7 squares left and 2 squares down.
2. The rectangle has been translated 2 squares right and 6 squares down.
3. The right-angled triangle has been translated 7 squares right and 3 squares up.
4. The isosceles triangle has been translated 8 squares left and 3 squares down.
5. The trapezium has been translated 4 squares right and 4 squares down.
A – (6,10) B – (10,6)
6. The equilateral triangle has been translated 7 squares left and 3 squares up.
A – (10,5) B – (3,8)
7. The square has been translated 5 squares left and 2 squares down.
A – (9,9) B – (4,7)
8. The right-angled triangle has been translated 6 squares right and 1 square up.
A – (3,8) B – (9,9)

Skill 1 Reasoning

3. The shape is a right-angled triangle.
B – (6,0) (9,0) (6,6)
4. The shape is a trapezium.
B – (5,11) (9,11) (8,7) (6,7)
5. The shape is an isosceles triangle.
B – (1,0) (3,0) (2,5)
6. The shape is a rectangle.
B – (8,9) (8,6) (13,6) (13,9)

Skill 2

1. How many seconds are there in 3 minutes? 180 seconds
2. How many minutes are there in 5 hours? 300 minutes
3. How many minutes are the same as 360 seconds? 6 minutes
4. How many seconds are the same as 10 minutes? 600 seconds
5. How many days are there in a fortnight? 14 days
6. How many days are there in 4 weeks? 28 days
7. How many weeks are there in 2 years? 104 weeks
8. How many days are there in 2 years? 730 days unless including a leap year
9. How many hours in 3 and a half days? 84 days
10. How many minutes are there in 6 and half hours? 390 minutes

YEAR 4 Maths - Answers



1) a) There are **12** months in a year.

b) There are **31** days in March.

c) There are **52** weeks in a year.

d) There are **30** days in September.

2)

48 hours

6 weeks

45 days

**The number of days
altogether in April and May**

3) **September**

4) **Franco is the eldest.**

78 months is 6 years and 6 months

312 weeks is 6 years

1) **4 weeks is equal to 28 days. Therefore, the holidays will start on 21st July.**

2)

		Date of Birthday
Jack	My birthday is 6 weeks after Siannise.	4th September 24th July + 6 weeks (42 days)
Pablo	My birthday is in 20 days time.	3rd September 14th August + 20 days
Siannise	My birthday was 3 weeks ago.	24th July 14th August – 3 weeks (21 days)



3) **Amara might be correct if it is a leap year. If it is a leap year, February has an extra day – 29th and therefore her birthday would be in 6 days time. If it was not a leap year, it would be in 5 days time.**

4) **Leon is 3**

Darren is 7

Jasmine is 12

Skill 3

1. 30 000 sheets of paper

2. 1232 pieces of apple

3. 960 studs

4. 1280 pairs of shoes

5. 1276 tyres

6. 3780 satsumas

YEAR 4 Maths - Arithmetic

Test 1A

question	answer	marks
1	193	1
2	185	1
3	230	1
4	$\frac{3}{5}$	1
5	5278	1
6	8633	1
7	54	1
8	4032	1
9	$\frac{6}{8}$ or $\frac{3}{4}$	1
10	5.1	1
11	3.4	1
12	1.23	1
		Total 12

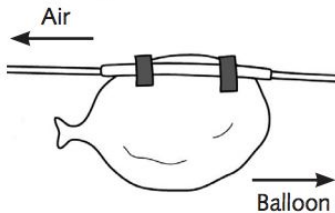
Test 1B

question	answer	marks
1	68	1
2	117	1
3	17	1
4	$\frac{2}{8}$ or $\frac{1}{4}$	1
5	6882	1
6	4977	1
7	48	1
8	3135	1
9	$1\frac{1}{4}$	1
10	6.9	1
11	0.45	1
12	10	1
		Total 12

YEAR 4 Reading - Answers

1. A straw; a piece of string; a balloon.
2. "inflate"
3. Let go of the balloon: 4
Collect all the equipment that you need 1
Blow up the balloon: 3
Tie the string onto a chair: 2
The balloon starts to move: 5

4. The balloon starts to move.
5. The second picture should be ticked.



6. "Action and reaction".
7. Rockets work in a similar way to this rocket balloon.
8. The balloon might travel faster like a rocket shown in the text. *Credit should be given to children who suggest that the movement will be different (e.g. slower) and that a rocket is a different size and travels at a different speed to the balloon.*

1. He dreamed of elephants.
They walked slowly.
The elephants were in a large group.
2. It was sunny/dusty/hot.
3. "solemn"
4. "sadly"
5. The writer felt "amazed". The writer was in awe/found it incredible/wonderful to watch.
6. They disappeared out of sight into the dusty landscape.
7. The author dreamed of elephants because he likes them: F
The elephants' feet were quiet: T
The herd kept walking without stopping: T
The author was scared by the elephants: F
8. They ignored him/her. They just walked on/past.

YEAR 4 Grammar - Answers

Determiners

1. There were **a few** sweets left afterwards.
2. I would like to see **more** people cycling to school.
3. We could fit **another** person in **my** car.
4. You should camp by **those** trees.
5. **My** house is a long way away.
6. **Which** sandwich should I buy?
7. There are **eleven** players on **the** football pitch.
8. **Another** car sped past on **the** road.

Challenge Questions

9. Unexpectedly, he took **another** piece of pizza.
10. Sit at **any** chair; there are **more** places than we need.

Relative Clauses

- a. Alana, who has very shiny hair, always looks smart for school.
- b. My cousins live in Canada, which is a long way to go to visit!
- c. These three girls, who have worked very hard on their maths project, can have a prize each.
- d. The Peak District, which is an excellent place for walking, climbing and biking, is a national park in Derbyshire.
- e. The dog, who always jumps up at people, is called Spot.
- f. The film, which had me on the edge of my seat, was tremendously exciting!
- g. Look for the spelling in the dictionary, which is over there on the shelf.
- h. My brother, who has won many medals for his gymnastics, is competing in an event tomorrow.

YEAR 4 Grammar - Answers

Grammar and Punctuation Challenge Cards Answers

Card Number	Answer
1	carefully
2	blackbird, skateboard, waterpark
3	We were going to the airport. If we were not at school, I'd go to the park. Lily was with her friends. I was at Noah's house.
4	My favourite book (The Hobbit) is a fantasy story. The girls (who were called Molly and Ella) sat next to each other in class. The parcel (which was wrapped in brown paper) was sitting on the doorstep.
5	The squirrel hurtled up the tree while the dog barked at the bottom.
6	1. To indicate a new subject or theme. 3. To change the time or place in our story. 5. To group relevant information together.
7	Hannah's mum worked at the hospital. Barry, my sister's rabbit, was grey and white. I'm going to the skatepark to see my friends. Mum hasn't got time to go to the hairdressers.
8	Later that evening,
9	When the emphasis is on the last consonant, you double the consonant before adding the suffix.
10	<div> sub — against auto — under inter — self anti — amongst </div>
11	I hear you're going on holiday soon. We missed you at school today. The hamster died so we had to bury it. Mum needed some peace and quiet.
12	<div> We haven't had a spelling test for ages. "Who's your class teacher?" asked the secretary. "Who's your Gran doing?" my neighbour asked me. </div> <div> have not do not who is how is </div>
13	The policeman said, "Where did you find that bag?" The flowers were bright yellow, the brightest yellow Jasmine had ever seen. It was later that night, when the sirens started.

YEAR 4 Grammar - Answers

14	Carrie went to the pizza shop. She liked the pepperoni pizza. Carrie's brother didn't like pepperoni. He preferred chicken.
15	Pupil's own response.
16	"I can't find it!" shouted my brother. Harry yelled "Eureka! I have the answer!" The vet said "What seems to be the problem with Rover?" "Where are you going?" asked the bus conductor.
17	As, whilst, until
18	After, beside
19	We were going to the concert. I did a good piece of writing. She saw the new shopping mall.
20	The boy rode his red bike home. There were some girls from our school, on the bus. The park wasn't far away. It was a good hotel. That girl won the race.

YEAR 4 Spellings - Answers



Task 1: Identify ch spelling

All of the images below have a sh sound, but can you identify which are spelt with a ch? Now try spelling these words.



Chef



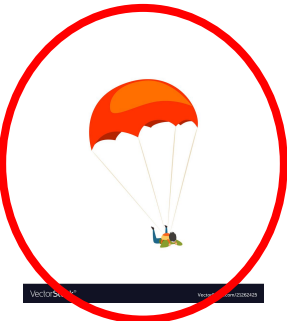
Sheep



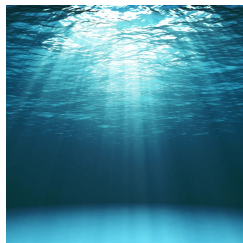
Shark



Moustache



Parachute



Ocean



Champagne



Tissues

YEAR 5 Answers - Adding Mixed Fractions

Adding Mixed Numbers

$$1) \quad 1\frac{1}{2} + 9\frac{4}{10} = 1\frac{5}{10} + 9\frac{4}{10} = 10\frac{9}{10}$$

$$2) \quad 1\frac{1}{2} + 4\frac{1}{5} = 1\frac{5}{10} + 4\frac{2}{10} = 5\frac{7}{10}$$

$$3) \quad 5\frac{3}{4} + 8\frac{8}{10} = 5\frac{15}{20} + 8\frac{16}{20} = 13\frac{31}{20} = 14\frac{11}{20}$$

$$4) \quad 5\frac{4}{5} + 4\frac{1}{4} = 5\frac{16}{20} + 4\frac{5}{20} = 9\frac{21}{20} = 10\frac{1}{20}$$

$$5) \quad 3\frac{1}{3} + 4\frac{1}{2} = 3\frac{2}{6} + 4\frac{3}{6} = 7\frac{5}{6}$$

$$6) \quad 5\frac{2}{4} + 6\frac{1}{5} = 5\frac{10}{20} + 6\frac{4}{20} = 11\frac{14}{20} = 11\frac{7}{10}$$

$$7) \quad 6\frac{1}{3} + 5\frac{1}{4} = 6\frac{4}{12} + 5\frac{3}{12} = 11\frac{7}{12}$$

$$8) \quad 1\frac{3}{4} + 5\frac{1}{2} = 1\frac{3}{4} + 5\frac{2}{4} = 6\frac{5}{4} = 7\frac{1}{4}$$

$$9) \quad 4\frac{2}{5} + 9\frac{3}{4} = 4\frac{8}{20} + 9\frac{15}{20} = 13\frac{23}{20} = 14\frac{3}{20}$$

$$10) \quad 5\frac{5}{10} + 5\frac{1}{3} = 5\frac{15}{30} + 5\frac{10}{30} = 10\frac{25}{30} = 10\frac{5}{6}$$

YEAR 5 Answers -Fractions Reasoning

Unit 9: Fractions (2), Lesson 5

Think together

- 1 Jen drives along two roads, as shown on the map.

What is the total distance she drives?



Add the wholes: $1 + 1 = 2$

Add the parts: $\frac{2}{5} + \frac{3}{10}$

$$= \frac{4}{10} + \frac{3}{10}$$

$$= \frac{7}{10}$$

Jen drives $2 \frac{7}{10}$ km in total.



- 2 Jen uses $2 \frac{3}{4}$ litres of petrol to drive to work.

She uses $\frac{5}{12}$ of a litre of petrol to drive for lunch.

How many litres of petrol does she use in total?



Jen uses $2 \frac{5}{6}$ litres of petrol in total.

You could also have $2 \frac{10}{12}$ but you should be encouraged to always simplify.

YEAR 5 Answers - Area

Area of Compound Shapes **Answers**



Question	Answer		
Identify the shapes where the area can be calculated. Calculate the area of each compound shape.			
1	Area a: 4cm² Area b: 10cm² Total: 14cm²	6	Area a: 20cm² Area b: 18cm² Total: 38cm²
2	Area a: 4cm² Area b: 6cm² Total: 10cm²	7	Area a: 18cm² Area b: 12cm² Area c: 10cm² Total: 40cm²
3	Area a: 10cm² Area b: 3cm² Total: 13cm²	8	Area a: 8cm² Area b: 12cm² Area c: 10cm² Total: 30cm²
4	Area a: 12cm² Area b: 24cm² Total: 36cm²	9	Area a: 14cm² Area b: 15cm² Area c: 16cm² Total: 45cm²
5	Area a: 9cm² Area b: 10cm² Total: 19cm²	10	Area a: 16cm² Area b: 12cm² Area c: 15cm² Total: 43cm²

YEAR 5 Answers - Area Reasoning

- 1) a) 96cm^2
b) $23\,625\text{mm}^2$ or 236.25cm^2



- 1) a) *Yes. Children should demonstrate that the shape cannot be split into rectangles where every side length is known.*
b) *By splitting the shape into 4 rectangles, children should find that only 2 more measurements are needed in order to make finding the area possible.*
c) *To make an area of 107cm^2 , the sides could measure (clockwise from top right) 10cm, 6cm, 3cm, 6cm, 4cm, 9cm, 10cm, 4cm, 7cm and 5cm.*



YEAR 5 Answers - Multiplying 2 digit by 2 digit

$$\begin{array}{r} 32 \\ \times 39 \\ \hline 1248 \end{array}$$

$$\begin{array}{r} 21 \\ \times 74 \\ \hline 1554 \end{array}$$

$$\begin{array}{r} 71 \\ \times 55 \\ \hline 3905 \end{array}$$

$$\begin{array}{r} 47 \\ \times 58 \\ \hline 2726 \end{array}$$

$$\begin{array}{r} 67 \\ \times 55 \\ \hline 3685 \end{array}$$

$$\begin{array}{r} 59 \\ \times 84 \\ \hline 4956 \end{array}$$

$$\begin{array}{r} 52 \\ \times 93 \\ \hline 4836 \end{array}$$

$$\begin{array}{r} 41 \\ \times 89 \\ \hline 3649 \end{array}$$

$$\begin{array}{r} 56 \\ \times 30 \\ \hline 1680 \end{array}$$

$$\begin{array}{r} 83 \\ \times 67 \\ \hline 5561 \end{array}$$

$$\begin{array}{r} 42 \\ \times 15 \\ \hline 630 \end{array}$$

$$\begin{array}{r} 60 \\ \times 47 \\ \hline 2820 \end{array}$$

$$\begin{array}{r} 69 \\ \times 43 \\ \hline 2967 \end{array}$$

$$\begin{array}{r} 97 \\ \times 13 \\ \hline 1261 \end{array}$$

$$\begin{array}{r} 98 \\ \times 40 \\ \hline 3920 \end{array}$$

$$\begin{array}{r} 83 \\ \times 97 \\ \hline 8051 \end{array}$$

YEAR 5 Answers - Multiplication Reasoning

1

Award **THREE** marks for the correct answer of 7,174

If the answer is incorrect, award **TWO** marks for:

- evidence of an appropriate complete method which contains no more than **ONE** arithmetic error, e.g.

$$\begin{array}{r} 53 \\ \times 68 \\ \hline 3504 \text{ (error)} \end{array}$$

$$\begin{array}{r} 105 \\ \times 34 \\ \hline 3570 \end{array}$$

$$3,504 + 3,570 = 7,074$$

Award **ONE** mark for:

- evidence of an appropriate method with more than **ONE** arithmetic error.

OR

- sight of 3,604 as evidence of long multiplication step (68×53) completed correctly.

OR

- sight of 3,570 as evidence of long multiplication step (105×34) completed correctly.

*Answer need not be obtained for the award of **ONE** mark.*

*A misread of a number may affect the award of marks. No marks are awarded if there is more than **ONE** misread or if the mathematics is simplified.*

***TWO** marks will be awarded if an appropriate method with the misread number is followed through correctly.*

***ONE** mark will be awarded for evidence of an appropriate method with the misread number followed through correctly with no more than **ONE** arithmetic error.*

Up to 3m

[3]

YEAR 5 Answers - Arithmetic

×	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

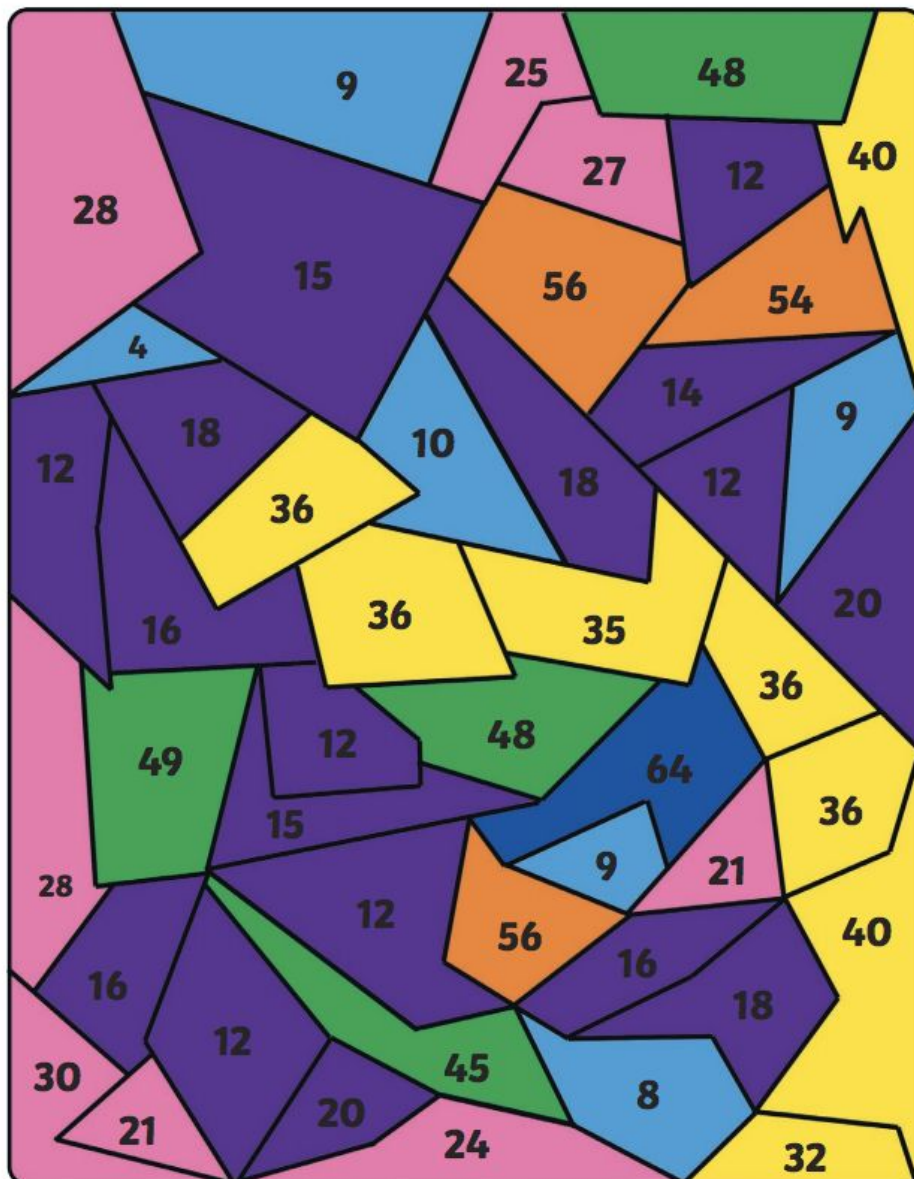
Race against the clock! Put a timer on and see how long it will take you to complete.

Time taken: _____ : _____

YEAR 5 Answers - Arithmetic

Colour by Multiplication **Answers**

0-10	11-20	21-30	31-40	41-50	51-60	61-70
light blue	purple	pink	yellow	green	orange	dark blue



YEAR 5 Reading - Text 1 Answers

Answers

1. How long did Dashrath Manjhi spend carving out the passageway through the mountain?

22 years

2. Which of these statements best describes other people's reaction to Manjhi's project when he first started? **Tick two.**

- ☐ They encouraged him to get started
☒ **They thought he had gone mad**
☐ They helped him to begin with
☒ **They thought he would die before he completed it**

3. The road which he created is flanked by 7.5m high mountain walls on either side.

What is the meaning of the word **flanked**?

'flanked' means to sit between two or more things on opposite sides

4. Which parts of the day did Manjhi spend on carving the passageway?

Accept answers referring to e.g. 'before work in the early morning' and 'after work in the afternoon and evening'.

5. Dashrath Manjhi was given a state funeral. What does this suggest about the way the government felt about his actions?

A state funeral is a special occasion and reserved for special or important people. This suggests that the government thought that Dashrath was special or important and that they appreciated his work.

6. The local people were happy when the project was finally complete. According to the text, what **three things** did they have access to that they previously did not?

Accept schools, hospitals and jobs.

7. One of the documentary films was called 'The Man Who Moved the Mountain'. Why do you think this was a good name for the film?

Children's own responses which refer to the idea that Manjhi took part of the mountain that was an obstacle and removed it, or that he moved the path from around the mountain to through it.

8. Look at the **Location Fact File**.

Which direction is Nepal from India? Circle **one**.

north

east

south

west

YEAR 5 Reading - Text 2 Answers

Answers

1. Large numbers of people live in India, but the country itself covers only 2% of the world's total surface area; what does this tell you about life in India?
OPEN answers may state - These statistics tell you that in India it must be very busy and overcrowded.
2. At what age does compulsory school attendance end in India?
Compulsory school attendance ends at age 14.
3. Why are many global support call centres based in India?
Many global support call centres are based in India because many of the population can speak English and communicate with people across the world.
4. How do you know that Indian Railways trains are very busy?
We know this because in the past the network has carried more than 23 million passengers per day.
5. Why are breads often served with an Indian meal?
Breads like naan, poppadum and bhatoora are often also served to help you eat it with your fingers.
6. In which Indian city did the country's movie history begin?
It began in Mumbai.
7. What traditional clothing is often worn by men in India?
Men sometimes wear the dhoti, a piece of cloth that is tied around the waist and legs. Men also wear a kurta; a knee-length, loose shirt.
8. Why is the most common religion in India?
Hindu is the most common religion in India. Around 80% of the population are Hindu.
9. Why is the Hindu festival of Diwali known as the festival of lights?
It is known as the festival of lights because of the lights and candles lit during the celebration.
10. What places do tourists visit in India?
Tourists visit the Taj Mahal, deserts, mountains and beaches.

YEAR 5 Grammar - Skill 1 Answers

Question 1 - This question is asking for your child to choose the appropriate **adjective** from the word bank given to complete the sentences. An **adjective** is a word used to describe an object, person or setting.

Choose **adjectives** from the list to use in the sentences given. The answers to this question can vary, as long as those chosen make sense within the sentence. For example: A. devastating, unexpected; B. tired, frail; C. busy, disorganised.

Question 2 - This question asks your child to circle the pair of **adjectives** (see question 1) that could replace the ones in the sentence without changing the meaning of the sentence.

Circle the pairs of words that won't change the meaning of the sentence: **restless, frantic** and **raging, troubled**

Question 3 - In this question, your child is asked to write a **multi-clause sentence** which includes a **noun phrase**. A **multi-clause sentence** is a sentence that has more than one action in it. For example: The dog chased the cat after it saw the cat in the garden. A **noun phrase** is the term given for an **adjective** (see question 1) paired with an object, person or place, such as the 'territorial dog'. An image has been provided to give a subject for the sentences. The question specifies that two **adjectives** (see question 1) and a **preposition** need to be included within the sentence. A **preposition** is a word which describes where something is. Examples of these include: up, on, after or above.

The question asks for a sentence to fit the specifications given. Answers will vary. An example answer is: **The adventurous, skilled climbers, who had travelled around the country climbing different mountains, began their ascent up their most dangerous climb yet.**

YEAR 5 Grammar - Skill 2 Answers

Question 1 – This question asks for the correct **verb tense** to be circled within the sentences. The **verb tense** is the **tense** (past, present or future) in which the **verb** (an action word, for example 'cook') is written. Two options are given in the sentence and the correctly option needs to be circled.

Circle the correct verb: A. **fell, ran**; B. **caught, raced**; C. **slept, roared**

Question 2 – This question requires an X to be put in the box next to the sentences that only use **verbs** (see question 1) for an action, and that are not used as an **adjective** (a word used to describe an object, setting or person).

Mark the correct sentences with an X: **A** and **C**

Question 3 – In this question, the **verbs** (see question 1) in the sentences need to be replaced with a **verb** from the list, so that the meaning of sentence will change.

Replace the verbs in the sentences with a verb from the list: A. **strolled, leapt**; B. **mended, closed**

YEAR 5 Grammar - Random Questions (Answers)

Qu.	Ref.	Requirement	Mark
1	G1.2	Award 1 mark for all three verbs encircled. I <u>wanted</u> to <u>buy</u> a puppy and <u>call</u> it Rosie.	1
2	G2.1	Where I go, my little sister goes ✓	1
3	G1.7	The children are always very polite <u>around</u> visitors.	1
4	G5.2	There was food at the party. I liked the cake. ✓	1
5a	G1.1	Award 1 mark for a grammatically correct sentence that uses <u>second</u> as a noun and is correctly punctuated, e.g. <ul style="list-style-type: none"> I loved every second. It took a second for me to remember. 	1
5b	G1.3	Award 1 mark for a grammatically correct sentence that uses <u>second</u> as an adjective and is correctly punctuated, e.g. <ul style="list-style-type: none"> I am the second person in the line. He got second prize. Do not accept responses that add inflected endings to <u>second</u> , e.g. <ul style="list-style-type: none"> There are ten seconds left. 	
6	G5.6b	comma ✓	1
7	G1.2	We could not force Mum to tell us what was in the box. ✓	1
8	G3.2	noun phrase ✓	1

YEAR 5 Spelling Activity Answers

What are these pictures?

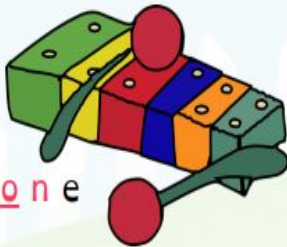
Answers:



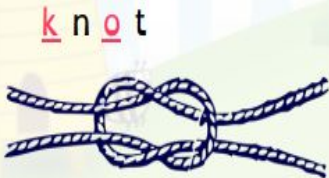
gnome



tsunami



xylophone



knot



jalapiño



psychic

wrestle



wrinkle



knee