

Good Morning Year 6

Thank you to everyone who has sent their work to me – it's lovely to see how you are embracing home-learning. I've also really enjoyed hearing about the other things you've been up to and I hope to share some of your ideas later in the week. I can't reply to every email but I will be reading them all.

Keep enjoying the sunshine – you can try Joe Wicks' Body Coach videos if you want some inside exercise.

Here are the answers to yesterday's tasks – you can even mark them in fineliner if you want to (well these are exceptional circumstances!) - and some more activities for today.

Stay safe,

Mrs Starbuck

Quick Maths answers

Quick Maths.

Answers.

Monday 23rd March.

$$\textcircled{1} 37 + 749 = \begin{array}{r} 749 \\ + 37 \\ \hline 786 \end{array}$$

$$\textcircled{2} \frac{6}{7} - \frac{2}{7} = \frac{4}{7}$$

$$\textcircled{3} 2 \times 35 = \begin{array}{l} 2 \times 30 = 60 \\ 2 \times 5 = 10 \\ \hline 70 \end{array}$$

$$\textcircled{4} 8 \times 3 \times 10 = 8 \times 3 = 24 \times 10 = 240$$

$$\textcircled{5} 7,015 - 403 = \begin{array}{r} 7015 \\ - 403 \\ \hline 6612 \end{array}$$

$$\textcircled{6} 10 - 3^2 = 10 - 9 = 1$$

$$\textcircled{7} ? - 20 = 86 \quad 86 + 20 = 106$$

$$\textcircled{8} 528 \times 26 = 13,728$$

$$\textcircled{9} 874 \div 46 = 19$$

$$\textcircled{10} 1\frac{5}{8} + \frac{1}{2} = 2\frac{1}{8}$$

$$\begin{array}{r} \textcircled{8} \quad 528 \\ \times 26 \\ \hline 3168 \\ 10560 \\ \hline 13728 \end{array}$$

$$\begin{array}{r} \textcircled{9} \quad 019 \\ 46 \overline{) 874} \\ \underline{46} \\ 414 \\ \underline{414} \\ 0 \end{array}$$

$$\textcircled{10} \frac{13}{8} + \frac{4}{8} = \frac{17}{8} = 2\frac{1}{8}$$

Challenge

Here are the ingredients for raspberry napple ice cream.

250g raspberries
225g caster sugar
2 large eggs
4 large egg yolks
600ml double cream

Jane has to make 5L of ice cream for a party. Sugar comes in 1kg bags. How many bags of sugar will be needed?

$$5000 \text{ ml} = 5 \text{ L}$$

$$5000 \div 600 = 8\frac{1}{3}$$

$$8\frac{1}{3} \times 225 = 1,875$$

2 bags

needed

$$46 (1 \times)$$

$$92 (2 \times)$$

$$230 (5 \times)$$

$$414 (9 \times)$$

$$460 (10 \times)$$

Challenge answers

Brilliant:

-
- 1a. Rectangle = 24cm^2 ; triangle = 12cm^2
2a. A = 9cm^2 ; B = 12cm^2 ; B has the larger area.
3a. 6cm

-
- 1b. Rectangle = 40cm^2 ; triangle = 20cm^2
2b. A = 14cm^2 ; B = 15cm^2 ; A has the smaller area.
3b. 5cm

Amazing:

-
- 4a. Rectangle = 72cm^2 ; triangle = 36cm^2
5a. A = 24cm^2 ; B = 21cm^2 ; C = 24cm^2 ; B has a different area.
6a. 9cm

-
- 4b. Rectangle = 96mm^2 ; triangle = 48mm^2
5b. A = 30cm^2 ; B = 30cm^2 ; C = 44cm^2 ; C has a different area.
6b. 11cm

Magnificent:

-
- 7a. Rectangle = 45cm^2 ; triangle = 22.5cm^2
8a. A = 18cm^2 ; B = 18cm^2 ; C = 16.5cm^2 ; C has a different area.
9a. 11cm

-
- 7b. Rectangle = 27m^2 ; triangle = 13.5m^2
8b. A = 24.5m^2 ; B = 24m^2 ; C = 24m^2 ; A has a different area.
9b. 9m

a
Tick the sentence that uses the colon correctly.

I saw several memorable creatures at the aquarium an octopus: an anemone and a sea turtle.

I saw several memorable creatures at the aquarium: an octopus, an anemone and a sea turtle. ✓

I saw several memorable creatures: at the aquarium an octopus, an anemone and a sea turtle.

b
Should these words end in -ance or -ence?

obedience

ignorance

c
Underline the relative pronoun in this sentence.

Dinosaurs were a breed of reptiles, which became extinct millions of years ago.

d
Read these words:

aqueduct aquatic

Tick what you think the prefix aqua- means:

to swim

geography

water ✓

e
Underline the object in this sentence.

The boy held the flag tightly.

f
Forgetful Mr Whoops is very confused about noun phrases, prepositional phrases and subordinate clauses. Can you help him by saying which is underlined in this sentence?

From behind the door, there was a peculiar sound.

prepositional phrase

a
Add a colon to this sentence in the correct position.

I saw several memorable creatures
at the aquarium; an octopus, an
anemone and a sea turtle.



b
Should these words end in -ance
or -ence?

obedience
ignorance
extravagance

c
Combine these two sentences into
one sentence containing a relative
clause.

Accept any embedded or final
relative clause, e.g. Dinosaurs were
a breed of reptiles, which became
extinct millions of years ago.

d
Read these words:

aqueduct aquatic

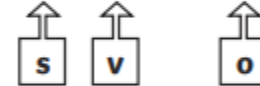
Tick what you think the
prefix aqua- means:

water

Accept any other 'aqua' derivative,
e.g. aquarium, aquamarine

e
Label the boxes with V (verb),
S (subject) and O (object) to show
the parts of the sentence.

The boy held the flag tightly.



f
Forgetful Mr Whoops is very
confused about noun phrases,
prepositional phrases and subordinate
clauses. Can you help him by saying
which is underlined in this sentence?

From behind the door,
there was a peculiar sound.

prepositional phrase

Foxes have distinctive, bushy tails.

noun phrase

a
Rewrite this sentence adding the appropriate punctuation mark.

I saw several memorable creatures at the aquarium an octopus an anemone and a sea turtle.

I saw several memorable creatures at the aquarium: an octopus, an anemone and a sea turtle.

b
Should these words end in -ance or -ence?

obedience

ignorance

extravagance

Accept obedience, ignorance or extravagance in a sentence with has/have + past participle verb, e.g. I have met a trainer who runs dog obedience classes.

c
Add a relative clause to this sentence.

Dinosaurs were a breed of reptiles.

Accept any embedded or final relative clause, e.g. Dinosaurs were a breed of reptiles, which became extinct millions of years ago.

d
Read these words:

aqueduct aquatic

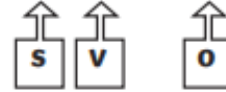
Tick what you think the prefix aqua- means:

to swim ☐ geography ☐ water ☒

Accept any other 'aqua' derivative, e.g. aquarium, aquamarine

e
Label the boxes with V (verb), S (subject) and O (object) to show the parts of the sentence.

The boy held the flag tightly.



Can you give a synonym for 'tightly'?
e.g. firmly, securely

f
Forgetful Mr Whoops is very confused about noun phrases, prepositional phrases and subordinate clauses. Can you help him by saying which is underlined in this sentence?

From behind the door,
there was a peculiar sound.

prepositional phrase

Foxes have distinctive, bushy tails.

noun phrase

Yesterday, I travelled to a village beyond the city.

prepositional phrase

-able and -ible Word Endings **Answers**

1. Sadie's new puppy was **adorable** – it got lots of attention at the park.
2. When we got home from holiday, I couldn't wait to sleep in my own **comfortable** bed again.
3. In our science lesson, we were investigating whether it was **possible** to mix oil and water.
4. My older sister is often **horrible** to me when her friends are around.
5. "What is that **terrible** noise?" screamed my mum when I first started learning to play the trumpet.
6. My teacher told me that my science fiction story was **incredible**.
7. "Is the mark on my t-shirt **noticeable**?" asked Daphne.
8. Although he had an unusual accent, the words he spoke were completely **understandable**.

-able and -ible Word Endings **Answers**

1. Sadie's new puppy was **adorable** – it got lots of attention at the park.
2. When we got home from holiday, I couldn't wait to sleep in my own **comfortable** bed again.
3. My older sister is often **horrible** to me when her friends are around.
4. "What is that **terrible** noise?" screamed my mum when I first started learning to play the trumpet.
5. "Is the mark on my t-shirt **noticeable**?" asked Daphne.
6. Although he had an unusual accent, the words he spoke were completely **understandable**.
7. After playing cricket all summer, I have gained **considerable** skill.
8. The school rules are **applicable** to all pupils so it is important to abide by them.

-able and -ible Word Endings Answers

1. Sadie's new puppy was **adorable** – it got lots of attention at the park.
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5. "Is the mark on my t-shirt **noticeable**?" asked Daphne.
6. Although he had an unusual accent, the words he spoke were completely **understandable**.
7. After playing cricket all summer, I have gained **considerable** skill.
8. The school rules are **applicable** to all pupils so it is important to abide by them.
9. Riding his bike into school for the first time, Hassan was very **sensible**.
10. The police had to make a **forcible** entry into the house where the burglar was hiding.

Today's Quick Maths

Quick Maths

- ① $908 \div 1$
- ② $55 \div 11$
- ③ $39.55 + 8.7$
- ④ $320 \div 4$
- ⑤ $8,100 \div 9$
- ⑥ $? = 2,863 - 457$
- ⑦ $3,700,009 = 3,000,000 + ? + 9$
- ⑧ $10 - 5.9$
- ⑨ $\frac{2}{7} + \frac{15}{28} =$
- ⑩ $0.7 \div 100$

Tuesday 24th March.

Challenge.

A small bottle of lemonade is half the size of a large bottle.

The small bottle costs 80p
the large bottle costs £1.50.

Amir buys 4 small bottles.
How much would he save
if he buys the same amount
of lemonade in big
bottles?

Try these example questions and then choose a challenge to complete:

Problem Solving 1

Natalie is thinking of a triangle.



My triangle has an area greater than 30cm^2 but less than 35cm^2 . Its height is 5cm longer than its base.

$$\text{area} = \frac{\text{base} \times \text{height}}{2}$$

**Draw and label Natalie's triangle.
Find the area using the formula above.**

Problem Solving 1

Natalie is thinking of a triangle.



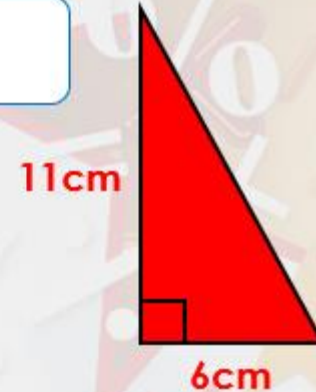
My triangle has an area greater than 30cm^2 but less than 35cm^2 . Its height is 5cm longer than its base.

$$\text{area} = \frac{\text{base} \times \text{height}}{2}$$

Draw and label Natalie's triangle.
Find the area using the formula above.

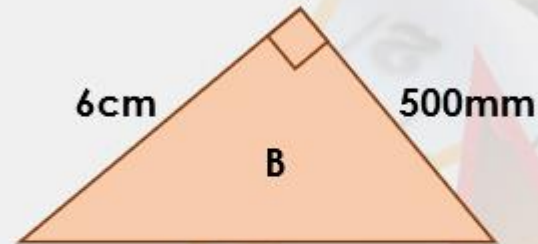
Various answers, for example:

height = 11cm ; base = 6cm ; area = 33cm^2



Reasoning 1

Clare thinks triangle B has a larger area than triangle A.

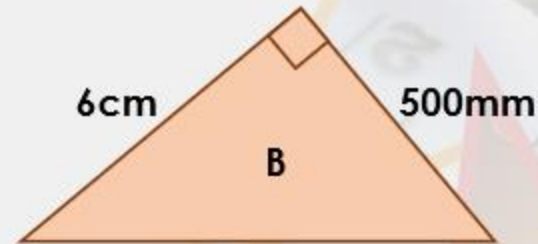
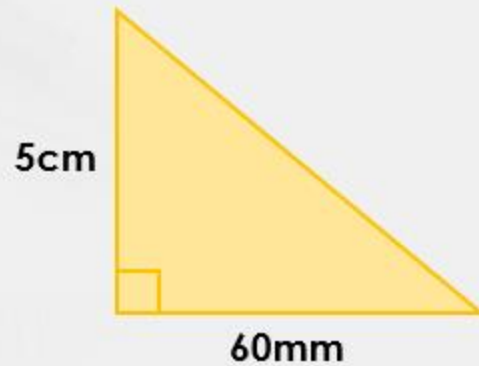


Is Clare correct? Use a formula to prove it.

not to scale

Reasoning 1

Clare thinks triangle B has a larger area than triangle A.



Is Clare correct? Use a formula to prove it.

Clare is not correct because both triangles have an area of 15cm^2 .

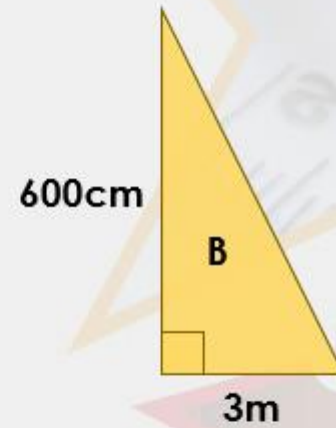
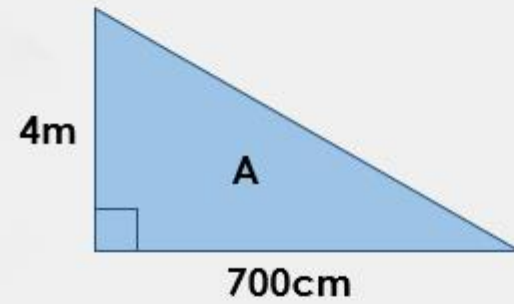
$A = 6\text{cm} \times 5\text{cm} = 30\text{cm}^2; 30\text{cm}^2 \div 2 = 15\text{cm}^2$

$B = 6\text{cm} \times 5\text{cm} = 30\text{cm}^2; 30\text{cm}^2 \div 2 = 15\text{cm}^2$

not to scale

Problem Solving 2

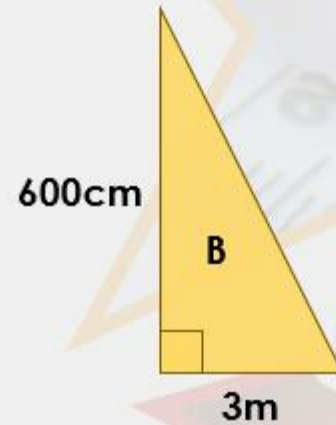
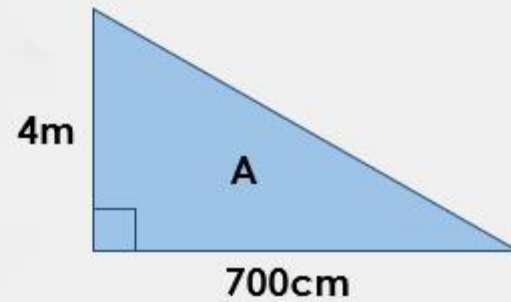
Calculate the difference between the area of these 2 triangles using the correct formula.



not to scale

Problem Solving 2

Calculate the difference between the area of these 2 triangles using the correct formula.





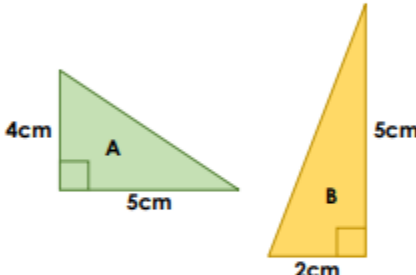
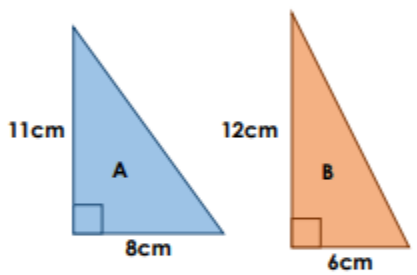
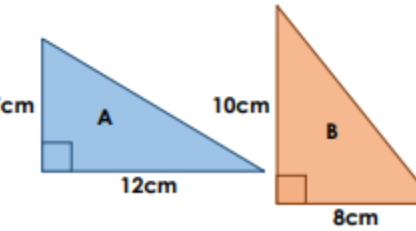
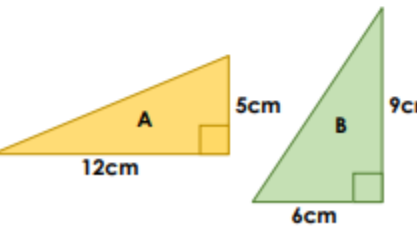
A. $7\text{m} \times 4\text{m} = 28\text{m}^2$; $28\text{m}^2 \div 2 = 14\text{m}^2$

B. $6\text{m} \times 3\text{m} = 18\text{m}^2$; $18\text{m}^2 \div 2 = 9\text{m}^2$

$14\text{m}^2 - 9\text{m}^2 = 5\text{m}^2$

not to scale

Fabulous

 <p>My triangle has an area greater than 20cm^2 but less than 30cm^2. Its height is twice as long as its base.</p> <p>Draw and label Maeve's triangle. Find the area.</p> <p>☆ PS</p>	 <p>My triangle has an area less than 30cm^2 but more than 25cm^2. Its base is 3cm longer than its height.</p> <p>Draw and label Dylan's triangle. Find the area.</p> <p>☆ PS</p>
<p>2a. Mia thinks the area of triangle A is twice as big as the area of triangle B.</p>  <p>Is Mia correct? Prove it.</p> <p>☆ not to scale R</p>	<p>2b. Matt thinks the area of triangle A is larger than the area of triangle B.</p>  <p>Is Matt correct? Prove it.</p> <p>☆ not to scale R</p>
<p>3a. Calculate the difference between the area of these 2 triangles.</p>  <p>☆ not to scale PS</p>	<p>3b. Calculate the difference between the area of these 2 triangles.</p>  <p>☆ not to scale PS</p>

Awesome

4a. Jensen is thinking of a triangle.



My triangle has an area greater than 600cm^2 but less than 750cm^2 . Its base is 50cm longer than its height.

$$\text{area} = \frac{\text{base} \times \text{height}}{2}$$

Draw and label Jensen's triangle.
Find the area using the formula above.



PS

4b. Shelley is thinking of a triangle.



My triangle has an area less than 80cm^2 but more than $7,000\text{mm}^2$. Its height is equal to its base.

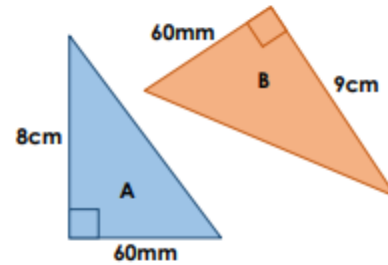
$$\text{area} = \frac{\text{base} \times \text{height}}{2}$$

Draw and label Shelley's triangle.
Find the area using the formula above.



PS

5a. Abby thinks the area of triangle A is smaller than the area of triangle B.



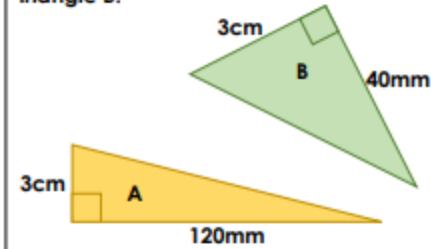
Is Abby correct? Use a formula to prove it.



not to scale

R

5b. Mo thinks the area of triangle A is three times as large as the area of triangle B.



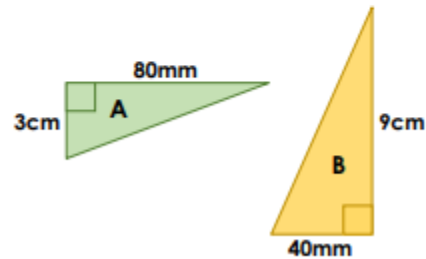
Is Mo correct? Use a formula to prove it.



not to scale

R

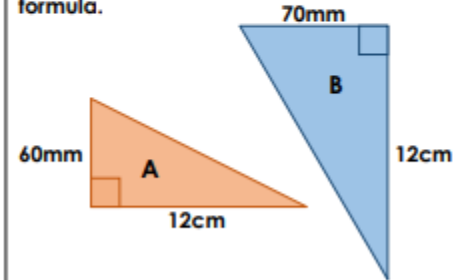
6a. Calculate the difference between the area of these 2 triangles, using the correct formula.



not to scale

PS

6b. Calculate the difference between the area of these 2 triangles, using the correct formula.



not to scale

PS

Fantastic

<div data-bbox="835 154 937 278"></div> <div data-bbox="937 139 1271 292"><p>My triangle has an area greater than 0.6m^2 but less than $6,100\text{cm}^2$. Its height is equal to its base.</p></div> <div data-bbox="886 321 1197 371"><p>area = $\frac{\text{base} \times \text{height}}{2}$</p></div> <div data-bbox="823 389 1228 439"><p>Draw and label Sadia's triangle in cm. Find the area using the formula above.</p></div> <div data-bbox="823 442 861 475"></div> <div data-bbox="1248 456 1263 471" data-label="Text"><p>PS</p></div>	<div data-bbox="1299 142 1388 268"></div> <div data-bbox="1388 139 1722 292"><p>My triangle has an area less than $1,500\text{mm}^2$ but more than 13cm^2. Its base is three times as long as its height.</p></div> <div data-bbox="1345 321 1656 371"><p>area = $\frac{\text{base} \times \text{height}}{2}$</p></div> <div data-bbox="1281 389 1702 439"><p>Draw and label Brogan's triangle in mm. Find the area using the formula above.</p></div> <div data-bbox="1281 442 1319 475"></div> <div data-bbox="1702 456 1717 471" data-label="Text"><p>PS</p></div>
<p>8a. Cory thinks the area of triangle B is larger than the area of triangle A.</p> <div data-bbox="835 549 1235 806"></div> <p>Is Cory correct? Use a formula to prove it.</p> <div data-bbox="823 849 861 882"></div> <p>not to scale</p> <div data-bbox="1248 863 1263 878" data-label="Text"><p>R</p></div>	<p>8b. Penn thinks the area of triangle B is half the area of triangle A.</p> <div data-bbox="1286 549 1727 806"></div> <p>Is Penn correct? Use a formula to prove it.</p> <div data-bbox="1281 849 1319 882"></div> <p>not to scale</p> <div data-bbox="1702 863 1717 878" data-label="Text"><p>R</p></div>
<p>9a. Calculate the difference between the area of these 2 triangles.</p> <div data-bbox="828 963 1261 1249"></div> <div data-bbox="823 1249 861 1282"></div> <p>not to scale</p> <div data-bbox="1248 1270 1263 1285" data-label="Text"><p>PS</p></div>	<p>9b. Calculate the difference between the area of these 2 triangles.</p> <div data-bbox="1299 992 1719 1242"></div> <div data-bbox="1281 1249 1319 1282"></div> <p>not to scale</p> <div data-bbox="1702 1270 1717 1285" data-label="Text"><p>PS</p></div>

Today's writing is to write a blog or diary entry about what you are doing to keep busy. Choose three features from the writing checklist and underline / highlight where you have used them. Try to use different features from yesterday.

Then, choose one subordinate clause worksheet and write the sentences in your book.

After that, correct the spelling mistakes – write these in your Home Learning book.



Subordinate Clauses

I know what a subordinate clause is.

1. Finish off the sentences by adding more detail to these **subordinate clauses**.

a) While the rain poured down, _____

b) Before the party had started, _____

c) Unless the bus arrives, _____

d) When you have finished your homework, _____

e) While the Christmas tree is up, _____





Subordinate Clauses

I know what a subordinate clause is.

1. Finish off the sentences by adding more detail to these **subordinate clauses**.

a) While the rain poured down, _____

b) Before the party had started, _____

c) _____ before it's too late.

d) _____ because I don't know the answer.

2. Now try adding an embedded clause into this sentence.

a) Alan the footballer, _____, scored the first goal.





Subordinate Clauses

I know what a subordinate clause is.

1. Finish off the sentences by adding more detail to these subordinate clauses.

- a) While the rain poured down, _____
- b) Before the party had started, _____
- c) _____ before it's too late.
- d) _____ because I don't know the answer.

2. Now try adding an embedded clause into this sentence.

- a) Alan the footballer, _____, scored the first goal.

3. These sentences begin with a main clause. Add a subordinate clause to each one to finish the sentences. Remember that the subordinate clause **should not make sense on its own**.

- a) Jack plays rugby _____
- b) Tim likes to draw _____
- c) Flying a kite is fun _____
- d) I love sunny mornings _____
- e) Bathtime is fun in our house _____

Correct the Spelling Mistake

The spelling mistakes in these sentences have been circled. Write the correct spelling for each circled word in the box.

1. Shaun loved playing football acording to his best friend.
2. There were no more avalible cinema times for that evening.
3. The princess didn't rekognis the prince.
4. The foregn exchange student loved her new school.
5. Andrew loved reading books eseshally before bedtime.
6. Mum sinserly apologised for being late.
7. "It's lovely to meet you," whispered the boy with an orkword smile.
8. Grandpa cooked a delicious vegtabul soup for dinner.

