

Measuring Time in Seconds!

FACT

60 seconds = 1 minute

Knowing this fact we can work out many other answers.

Introduction

These 5 friends have just finished a race.
Place them in order on the podium from fastest to slowest.



Snail
62 seconds



Ladybird
40 seconds



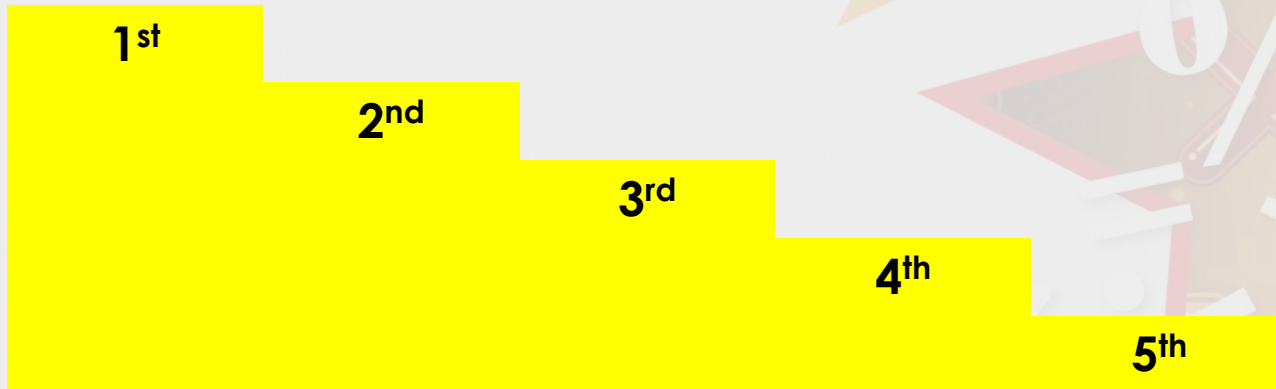
Beetle
32 seconds



Caterpillar
64 seconds



Ant
9 seconds



Who took longer than 1 minute?

Introduction

These 5 friends have just finished a race.
Place them in order on the podium from fastest to slowest.



Ant
9
seconds

1st



Beetle
32
seconds

2nd



Ladybird
40
seconds

3rd



Snail
62
seconds

4th



Caterpillar
64
seconds

5th

Who took longer than 1 minute? **Snail and Caterpillar**

TASK 1

True or false?

Time in minutes	Time in seconds	True or false?
2 minutes	180 seconds	
3 minutes and 10 seconds	190 seconds	
1 minute and 15 seconds	115 seconds	
4 minutes 20 seconds	260 seconds	

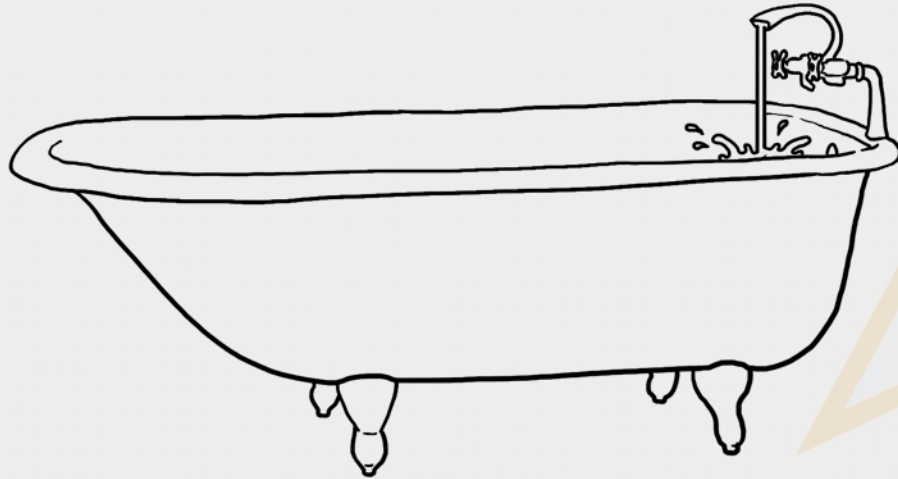
Task 1 - Answers

True or false?

Time in minutes	Time in seconds	True or false?
2 minutes	180 seconds	False
3 minutes and 10 seconds	190 seconds	True
1 minute and 15 seconds	115 seconds	False
4 minutes 20 seconds	260 seconds	True

Task 2

Approximately how long would it take to fill a bath?



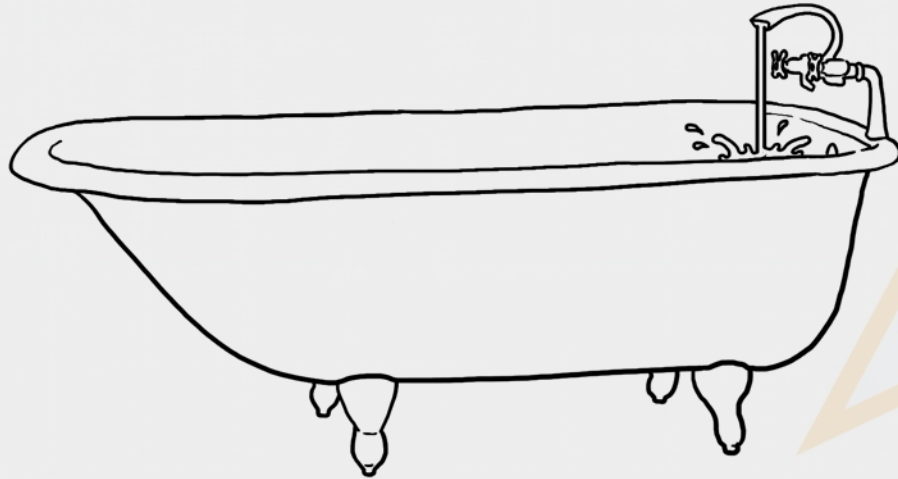
20 seconds

360 seconds

75 seconds

Task 2 - Answer

Approximately how long would it take to fill a bath?



20 seconds

360 seconds

75 seconds

(A bath can take between 5 and 10 minutes to fill.)

Task 3

Put these times in order from shortest to longest.

2 minutes 25 seconds

85 seconds

135 seconds

1 minute 20 seconds

Task 3 - Answers

Put these times in order from shortest to longest.

(80 seconds)

1 minute 20 seconds

(1 minute 25 seconds)

85 seconds

(2 minutes 15 seconds)

135 seconds

(145 seconds)

2 minutes 25 seconds

Reasoning 1

Safia uses a stopwatch to time the children in her group as they run around the school field.

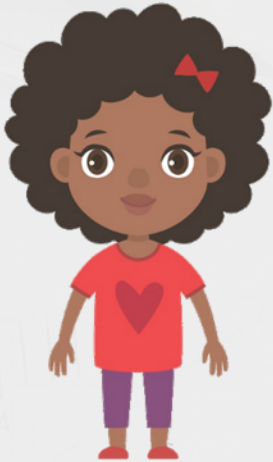


Freddie	250 seconds
Daisy	170 seconds
Hamza	190 seconds
Raheem	135 seconds
Alana	150 seconds

Safia thinks that 3 out of the 5 children are faster than 3 minutes. Do you agree? Explain how you know.

Reasoning 1 - **Answer**

Safia uses a stopwatch to time the children in her group as they run around the school field.



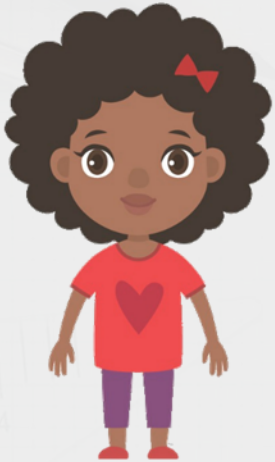
Freddie	250 seconds
Daisy	170 seconds
Hamza	190 seconds
Raheem	135 seconds
Alana	150 seconds

Safia thinks that 3 out of the 5 children are faster than 3 minutes. Do you agree? Explain how you know.

Safia is correct because...

Reasoning 1 - **ANSWER**

Safia uses a stopwatch to time the children in her group as they run around the school field.



Freddie	250 seconds
Daisy	170 seconds
Hamza	190 seconds
Raheem	135 seconds
Alana	150 seconds

Safia thinks that 3 out of the 5 children are faster than 3 minutes. Do you agree? Explain how you know.

Safia is correct because 3 minutes is the same as 180 seconds.

Daisy, Raheem and Alana are faster than 3 minutes but Freddie and Hamza are slower.

Problem Solving 1

One of Jemima's answers is incorrect.

$$2 \text{ minutes } 45 \text{ seconds} = 165 \text{ seconds}$$

$$5 \text{ minutes } 10 \text{ seconds} = 310 \text{ seconds}$$

$$4 \text{ minutes } 15 \text{ seconds} = 415 \text{ seconds}$$



Can you spot and correct my mistake?

Problem Solving 1

One of Jemima's answers is incorrect.

2 minutes 45 seconds = 165 seconds

5 minutes 10 seconds = 310 seconds

4 minutes 15 seconds = 415 seconds



Can you spot and
correct my mistake?

4 minutes 15 seconds is the same as 255 seconds.