CLASSROOM Secrets

#LIFEworkbalance

We have started a #LIFEworkbalance campaign and we need your help to complete our LIFE/work balance survey.

We hope to publish the results soon, so please give 15 minutes of your time to help us get a true picture of school life.

Want to be a part of this campaign? Take the survey on our website and share it with your colleagues!

Year 3 – Summer Block 2 – Time – Measuring Time in Seconds

About This Resource:

This PowerPoint has been designed to support your teaching of this small step. It includes a starter activity and an example of each question from the Varied Fluency and Reasoning and Problem Solving resources also provided in this pack. You can choose to work through all examples provided or a selection of them depending on the needs of your class.

National Curriculum Objectives:

Mathematics Year 3: (3M4d) Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock/a.m./ p.m., morning, afternoon, noon and midnight

Mathematics Year 3: (3M4e) Know the number of seconds in a minute and the number of days in each month, year and leap year

More Year 3 Time resources.

Did you like this resource? Don't forget to review it on our website.

Step 10: Measuring Time in Seconds

These 5 friends have just finished a race.
Place them in order on the podium from fastest to slowest.
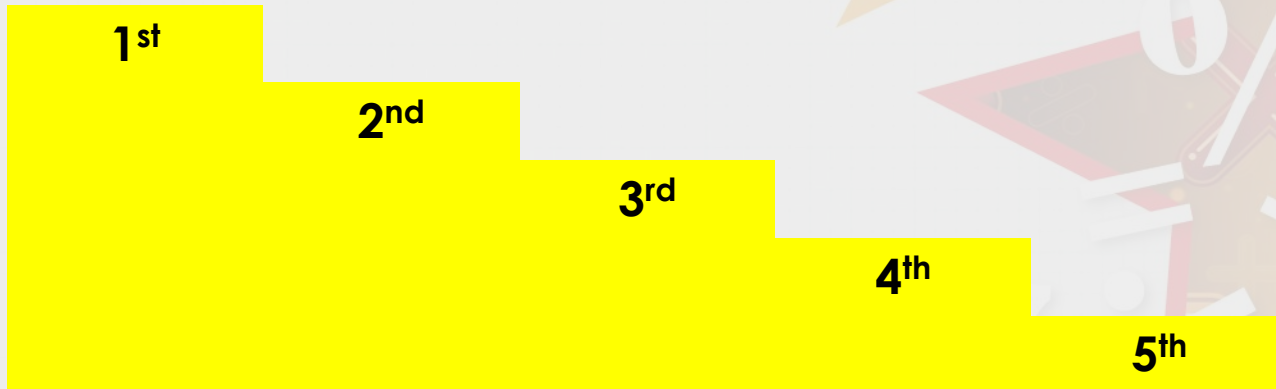
| Snail 62 seconds | Ladybird 40 seconds | Beetle 32 seconds | Caterpillar 64 seconds | Ant 9 seconds |

1st
2nd
3rd
4th
5th

Who took longer than 1 minute?

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

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**	

Varied Fluency 1

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**
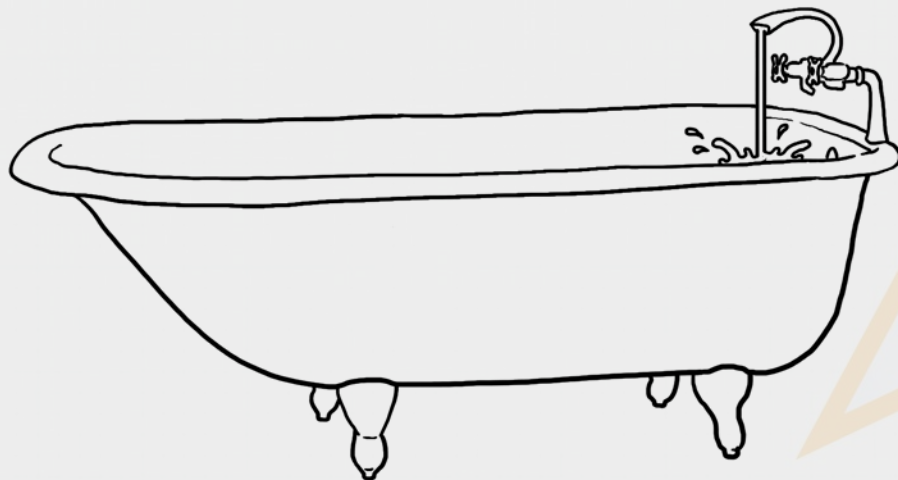
Approximately how long would it take to fill a bath?

20 seconds   **360 seconds**   **75 seconds**

Approximately how long would it take to fill a bath?
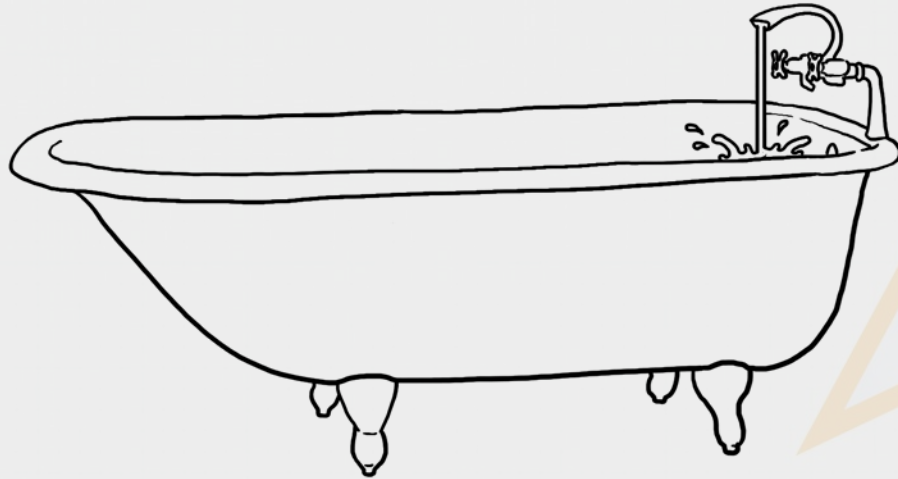
20 seconds   **360 seconds**   **75 seconds**

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

Put these times in order from shortest to longest.

2 minutes 25 seconds

85 seconds

135 seconds

1 minute 20 seconds

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**

Put the following stopwatch times in the correct place in the table.

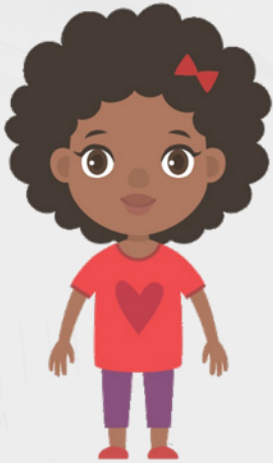| 00:03:05 |
| 00:01:00 |
| 00:01:05 |
| 00:00:20 |
| 00:03:45 |

> 180 seconds	< 70 seconds

Put the following stopwatch times in the correct place in the table.

> 180 seconds	< 70 seconds
00:03:05	00:01:00
00:03:45	00:01:05
	00:00:20

Safia uses a stopwatch to time the children in her group as they run around the school field.
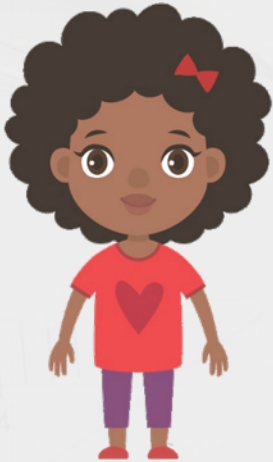
Freddie	250 seconds
Daisy	170 seconds
Hamza	190 seconds
Raheem	135 seconds
Alana	150 seconds

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

Safia 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…

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

Tim says that in another 160 seconds, the stopwatch will show 4 minutes 50 seconds. Paige says that in another 160 seconds, the stopwatch will show 3 minutes 70 seconds.

00:02:10

Who is correct? Explain how you know.

Tim says that in another 160 seconds, the stopwatch will show 4 minutes 50 seconds. Paige says that in another 160 seconds, the stopwatch will show 3 minutes 70 seconds.

00:02:10

Who is correct? Explain how you know.
Tim is correct because…

Tim says that in another 160 seconds, the stopwatch will show 4 minutes 50 seconds. Paige says that in another 160 seconds, the stopwatch will show 3 minutes 70 seconds.

00:02:10

Who is correct? Explain how you know.

Tim is correct because 160 seconds is the same as 2 minutes and 40 seconds. If this time is added onto the 2 minutes 10 seconds displayed on the stopwatch, the new time would be 4 minutes and 50 seconds.

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?

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.