

Step 7: Finding the Duration

Introduction

How many minutes are in one full turn around the clock?



How many hours are in each full turn around the clock?



How many minutes are between 12:00 and 12:25?



Introduction

How many minutes are in one full turn around the clock?

There are 60 minutes in one turn around the clock.

How many hours are in each full turn around the clock?

There are 12 hours in each turn around the clock.

How many minutes are between 12:00 and 12:25?

There are 25 minutes between 12:00 and 12:25.



Varied Fluency 1

Are the statements true or false?

Club	Start	Finish
Art	15:10	16:00
Rugby	15:05	15:50
Homework	15:10	16:10
Tennis	15:00	16:05

Art club is longer than homework club.

Rugby club is shorter than tennis club.

Varied Fluency 1

Are the statements true or false?

Club	Start	Finish
Art	15:10	16:00
Rugby	15:05	15:50
Homework	15:10	16:10
Tennis	15:00	16:05

Art club is longer than homework club.

False

Rugby club is shorter than tennis club.

True

Varied Fluency 2

Erika reads for 35 minutes. Circle when she read.

9:30 – 10:00

19:25 – 19:55

18:20 – 18:55

10:45 – 11:25

Varied Fluency 2

Erika reads for 35 minutes. Circle when she read.

9:30 – 10:00

19:25 – 19:55

18:20 – 18:55

10:45 – 11:25

Varied Fluency 3

Circle the show which is the longest.

Upton Abbey
21:10 – 22:05

Westenders
10:55 – 11:40

Jeremy Carl
11:35 – 12:40

Planet Mars
20:00 – 20:55

Varied Fluency 3

Circle the show which is the longest.

Upton Abbey
21:10 – 22:05

Westenders
10:55 – 11:40

Jeremy Carl
11:35 – 12:40

Planet Mars
20:00 – 20:55

Varied Fluency 4

Which train takes the longest?

	Departs	Arrives
Leeds	14:20	15:50
Halifax	8:40	9:15
Liverpool	18:35	19:20
London	12:30	12:50

Varied Fluency 4

Which train takes the longest?

	Departs	Arrives
Leeds	14:20	15:50
Halifax	8:40	9:15
Liverpool	18:35	19:20
London	12:30	12:50

Problem Solving 1

Josh arrived at the supermarket 30 minutes after it opened. Haley arrived 15 minutes later. Eric arrived at 11:50 which was 25 minutes after Haley.



**What time did the supermarket open?
What time did Josh arrive?**

Problem Solving 1

Josh arrived at the supermarket 30 minutes after it opened. Haley arrived 15 minutes later. Eric arrived at 11:50 which was 25 minutes after Haley.



What time did the supermarket open? **10:40**

What time did Josh arrive? **11:10**

Problem Solving 2

Shane has 1 hour and 25 minutes to build some furniture. He spends 10 minutes unpacking the box, 5 minutes reading instructions and 10 minutes gathering his tools.



How much time does he have left?

Problem Solving 2

Shane has 1 hour and 25 minutes to build some furniture. He spends 10 minutes unpacking the box, 5 minutes reading instructions and 10 minutes gathering his tools.



How much time does he have left?

60 minutes or 1 hour

Reasoning 1

Kiram and Todd are eating their dinner.

Kiram



**I took 3 quarters of an hour
minus 10 minutes to finish.**

Todd



**I took four lots of 10 minutes
to finish.**

Who took the longest? Explain your answer.

Reasoning 1

Kiram and Todd are eating their dinner.

Kiram



**I took 3 quarters of an hour
minus 10 minutes to finish.**

Todd



**I took four lots of 10 minutes
to finish.**

Who took the longest? Explain your answer.

Kiram took...

Todd took...

Reasoning 1

Kiram and Todd are eating their dinner.

Kiram



I took 3 quarters of an hour
minus 10 minutes to finish.

Todd



I took four lots of 10 minutes
to finish.

Who took the longest? Explain your answer.

Kiram took 35 minutes to finish.

Todd took 40 minutes to finish.

Therefore, Todd took the longest time.