



Iditarod

Elapsed Time

Use real times from the 2018 Iditarod to compute elapsed time from checkpoint to checkpoint.

CCSS.MATH.CONTENT.3.MD.1

Tell and write time to the nearest minute and **measure time intervals in minutes**. Solve word problems involving addition and subtraction of time intervals in minutes, e.g., by representing the problem on a number line diagram.

CCSS.MATH.CONTENT.4.MD.2

Use the four operations to solve word problems involving distances, **intervals of time**, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of a smaller unit. Represent measurement quantities using diagrams such as number line diagrams that feature a measurement scale.

A

Joar Leifseth Ulsom left Willow, Alaska at 3:02 p.m. He arrived in Yentna at 7:01 p.m. How long did it take him to get from Willow to Yentna?

**B**

Joar left Yentna at 7:05 p.m. He arrived in Skwentna at 1:13 a.m. How long did it take him to get from Yentna to Skwentna?

**C**

Joar left Skwentna at 1:18 a.m. He arrived in Finger Lake at 6:07 a.m. How long did it take him to get from Skwentna to Finger Lake?

**D**

Joar left Finger Lake at 9:03 a.m. He arrived in Rainy Pass at 12:34 p.m. How long did it take him to get from Finger Lake to Rainy Pass?



E

Joar Leifseth Ulsom left
Rainy Pass at
3:35 p.m. He traveled for
4 hours. What time
did he arrive
in Rohn?

**F**

Joar left Rohn at
7:42 p.m. He traveled
for 13 hours and
14 minutes. What time
did he arrive
at Nikolai?

**G**

Joar traveled for
6 hours and 53 minutes.
He arrived in McGrath
at 7:59 p.m. What
time did he
leave Nikolai?

**H**

Joar traveled for
2 hours and 36
minutes. He arrived in
Taketna at 1:42 a.m.
What time did
he leave McGrath?



I

Joar left Takotna at 1:47 a.m. He arrived in Ophir at 4:42 a.m. How long did it take him to get from Takotna to Ophir?

**J**

Joar left Ophir at 4:52 a.m. He traveled for 15 hours and 36 minutes. What time did he arrive in Iditarod?

**K**

Joar traveled for 7 hours and 4 minutes. He arrived in Shageluk at 4:42 a.m. What time did he leave Iditarod?

**L**

Joar left Shageluk at 7:42 a.m. He arrived in Anvik at 10:59 a.m. How long did it take him to travel from Shageluk to Anvik?



M

Joar arrived in Grayling at 1:58 p.m. He traveled for 2 hours and 52 minutes. What time did he leave Anvik?

**N**

Joar left Grayling at 9:58 p.m. He traveled for 23 hours and 58 minutes. What time did he arrive in Kaltag?

**O**

Joar left Kaltag at 3:13 a.m. He traveled for 15 hours and 25 minutes. What time did he arrive in Unalakleet?

**P**

Joar left Unalakleet at 8:20 p.m. He arrived in Shaktoolik at 1:53 a.m. How long did it take him to travel from Unalakleet to Shaktoolik?



Q

Joar left Shaktoolik at 4:48 a.m. He arrived in Koyuk at 1:01 p.m. How long did it take him to travel from Shaktoolik to Koyuk?

**R**

Joar left Koyuk at 5:52 p.m. He arrived in Elim at 12:57 a.m. How long did it take him to travel from Koyuk to Elim?

**S**

Joar traveled for 6 hours and 48 minutes. He arrived in White Mountain at 7:52 a.m. What time did he leave Elim?

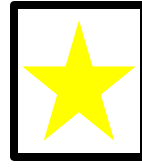
**T**

Joar traveled for 7 hours and 56 minutes. He arrived in Safety at 11:48 p.m. What time did he leave White Mountain?



U

Joar left Safety at 11:53 p.m. He traveled for 3 hours and 7 minutes. What time did he cross the finish line in Nome?



CHALLENGE!

What is the total amount of time it took

Joar Leifseth Ulsom to get from Willow, Alaska to Nome, Alaska?





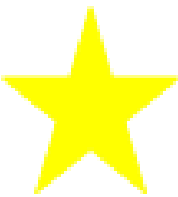
Iditarod Elapsed Time



Joar Leifseth Ulsom was the 2018 Iditarod Champion. Can you help Joar get down the trail from Willow, Alaska to Nome, Alaska? Find the elapsed time for each card. When you have finished all the cards, you've crossed the finish line! Remember to use a number line to help find your answers.

Card	Work Space	Answer
A		
B		
C		
D		
E		
F		
G		

Card	Work Space	Answer
H		
I		
J		
K		
L		
M		
N		
O		
P		

Card	Work Space	Answer
Q		
R		
S		
T		
U		
		




Iditarod Elapsed Time **(Answer Key)**

Joar Leifseth Ulsom was the 2018 Iditarod Champion. Can you help Joar get down the trail from Willow, Alaska to Nome, Alaska? Find the elapsed time for each card. When you have finished all the cards, you've crossed the finish line! Remember to use a number line to help find your answers.

Card	Work Space	Answer
A		239 minutes or 3 hours 59 minutes
B		368 minutes or 6 hours 8 minutes
C		289 minutes or 4 hours 49 minutes
D		211 minutes or 3 hours 31 minutes
E		7:35 p.m.
F		8:56 a.m.
G		1:06 p.m.

Card	Work Space	Answer
H		11:06 p.m.
I		175 minutes or 2 hours 55 minutes
J		8:28 p.m.
K		9:38 p.m.
L		197 minutes or 3 hours 17 minutes
M		11:06 a.m.
N		9:56 p.m.
O		6:38 p.m.
P		335 minutes or 5 hours 35 minutes

Card	Work Space	Answer
Q		493 minutes or 8 hours 13 minutes
R		425 minutes or 7 hours 5 minutes
S		1:04 a.m.
T		3:52 p.m.
U		3:00 a.m.
 <p>* pictures taken from http://iditarod.com/race/2018/checkpoints/</p> <p>* actual times taken from http://iditarod.com/race/2018/mushers/395-Joar-Leifseth-Ulsom/</p>		9 days 12 hours or 13, 680 minutes



Telling Time with the Iditarod

Use times from the 2018 Iditarod to tell time to the nearest minute on analog clocks.

CCSS.MATH.CONTENT.3.MD.1

Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes, e.g., by representing the problem on a number line diagram.

A

Joar Leifseth Ulsom crossed
the Iditarod start line in
Willow, Alaska on the afternoon
of March 4, 2018.

What time did Joar leave?

**B**

Joar arrived in Yentna
that evening.

What time did he
get to Yentna?



What time did he leave
Yentna?

**C**

Joar arrived in Skwentna
early the next morning.

What time did he
arrive in Skwentna?



What time did he depart
from Skwentna?

**D**

Joar got to Finger Lake
later that morning.

What time did he
get to Finger Lake?



What time did he leave
Finger Lake?



E

Joar made it to Rainy Pass
shortly after noon.

He arrived in Rainy Pass at
12:34. Show the time on
the analog clock on the
recording sheet.



He left Rainy Pass at 3:35.
Show the time on the analog
clock on the recording
sheet.

**F**

Later that night,
Joar arrived in Rohn.

He arrived in Rohn at 7:35.
Show the time on the analog
clock on the recording
sheet.



He left Rohn at 7:42. Show
the time on the analog clock
on the recording sheet.

**G**

The next morning,
Joar arrived in Nikolai.

He arrived in Nikolai at 8:56.
Show the time on the analog
clock on the recording
sheet.



After a short break, he left
Nikolai at 1:06 that
afternoon. Show the time on
the analog clock on the
recording sheet.

**H**

That evening,
Joar arrived in McGrath.

He arrived in McGrath at
7:59. Show the time on the
analog clock on the
recording sheet.



He left McGrath at 11:06.
Show the time on the analog
clock on the recording
sheet.



I

Early in the morning,
Joar made it to Takotna.

What time did he
get to Takotna?



What time did he leave
Takotna?

**J**

Joar got to Ophir
later that morning.

What time did he
arrive in Ophir?



What time did he
depart Ophir?

**K**

Joar arrived in Iditarod,
the halfway point,
late that night.

What time did he
make it to Iditarod?



What time did he leave
Iditarod?

**L**

The next morning,
Joar arrived in Shageluk.

What time did he
get to Shageluk?



What time did he leave
Shageluk?



M

Later that morning,
Joar arrived in Anvik.

He arrived in Anvik at 10:59.
Show the time on the analog
clock on the recording
sheet.



He left Anvik at 11:06. Show
the time on the analog clock
on the recording sheet.

**N**

Early that afternoon,
Joar arrived in Grayling.

What time did he get to
Grayling?



What time did he leave
Grayling?

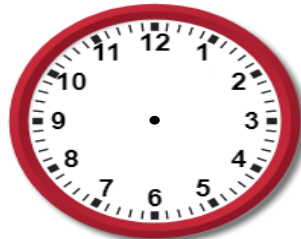
**O**

After almost 24 hours on
the trail, Joar arrived in Kaltag
late the next night.

He arrived in Kaltag at 9:56.
Show the time on the analog
clock on the recording
sheet.



After a short rest, he left
Kaltag at 3:13 the following
morning. Show the time on
the analog clock on the
recording sheet.

**P**

That evening,
Joar arrived in Unalakleet.

He arrived in Unalakleet at
6:38. Show the time on the
analog clock on the
recording sheet.



He departed Unalakleet at
8:20. Show the time on the
analog clock on the
recording sheet.



Q

Joar arrived in Shaktoolik
early the next morning.

What time did he
get to Shaktoolik?



What time did he leave
Shaktoolik?

**R**

Joar got to Koyuk
later that morning.

What time did he
arrive in Koyuk?



What time did he depart
Koyuk?

**S**

Joar got to Elim
just after midnight.

What time did he
make it to Elim?



What time did he take off
from Elim?

**T**

Joar got to White Mountain
later that morning.

What time did he
get to White Mountain?



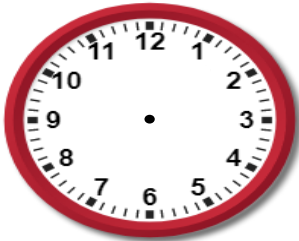
What time did he leave
White Mountain that
afternoon?





Joar made it to Safety late that night.

He arrived in Safety at 11:48. Show the time on the analog clock on the recording sheet.



He departed Safety at 11:53. Show the time on the analog clock on the recording sheet.



Joar Leifseth Ulsom crossed the Iditarod finish line in the early morning hours on March 14 and became the 2018 Iditarod champion.
What time did Joar cross the finish line?















Iditarod Time to the Minute









Joar Leifseth Ulsom was the 2018 Iditarod Champion. Can you help Joar get down the trail from Willow, Alaska to Nome, Alaska? Write or draw the time for each card. Circle a.m. or p.m.

When you have finished all the cards, you've crossed the finish line!

Card	Clock 1 Answer	a.m. or p.m.	Clock 2 Answer	a.m. or p.m.
A		a.m. p.m.		
B		a.m. p.m.		a.m. p.m.
C		a.m. p.m.		a.m. p.m.
D		a.m. p.m.		a.m. p.m.
E		a.m. p.m.		a.m. p.m.
F		a.m. p.m.		a.m. p.m.

Card	Clock 1 Answer	a.m. or p.m.	Clock 2 Answer	a.m. or p.m.
G		a.m. p.m.		a.m. p.m.
H		a.m. p.m.		a.m. p.m.
I		a.m. p.m.		a.m. p.m.
J		a.m. p.m.		a.m. p.m.
K		a.m. p.m.		a.m. p.m.
L		a.m. p.m.		a.m. p.m.
M		a.m. p.m.		a.m. p.m.
N		a.m. p.m.		a.m. p.m.





Card	Clock 1 Answer	a.m. or p.m.	Clock 2 Answer	a.m. or p.m.
O		a.m. p.m.		a.m. p.m.
P		a.m. p.m.		a.m. p.m.
Q		a.m. p.m.		a.m. p.m.
R		a.m. p.m.		a.m. p.m.
S		a.m. p.m.		a.m. p.m.
T		a.m. p.m.		a.m. p.m.
U		a.m. p.m.		a.m. p.m.
V		a.m. p.m.		















Iditarod Time to the Minute (Answer Key)

Joar Leifseth Ulsom was the 2018 Iditarod Champion. Can you help Joar get down the trail from Willow, Alaska to Nome, Alaska? Write or draw the time for each card. Circle a.m. or p.m.

When you have finished all the cards, you've crossed the finish line!

Card	Clock 1 Answer	a.m. or p.m.	Clock 2 Answer	a.m. or p.m.
A	3:02	a.m. p.m.		
B	7:01	a.m. p.m.	7:05	a.m. p.m.
C	1:13	a.m. p.m.	1:18	a.m. p.m.
D	6:07	a.m. p.m.	9:03	a.m. p.m.
E		a.m. p.m.		a.m. p.m.
F		a.m. p.m.		a.m. p.m.

Card	Clock 1 Answer	a.m. or p.m.	Clock 2 Answer	a.m. or p.m.
G		a.m. p.m.		a.m. p.m.
H		a.m. p.m.		a.m. p.m.
I	1:42	a.m. p.m.	1:47	a.m. p.m.
J	4:42	a.m. p.m.	4:52	a.m. p.m.
K	8:28	a.m. p.m.	9:38	a.m. p.m.
L	4:42	a.m. p.m.	7:42	a.m. p.m.
M		a.m. p.m.		a.m. p.m.
N	1:58	a.m. p.m.	9:58	a.m. p.m.

Card	Clock 1 Answer	a.m. or p.m.	Clock 2 Answer	a.m. or p.m.
O		a.m. p.m.		a.m. p.m.
P		a.m. p.m.		a.m. p.m.
Q	1:55	a.m. p.m.	4:48	a.m. p.m.
R	1:01	a.m. p.m.	5:52	a.m. p.m.
S	12:57	a.m. p.m.	1:04	a.m. p.m.
T	7:52	a.m. p.m.	3:52	a.m. p.m.
U		a.m. p.m.		a.m. p.m.
V	3:00	a.m. p.m.		



Telling Time with the Iditarod

Use rounded times from the 2018 Iditarod to tell time to the nearest five minutes on analog clocks.

CCSS.MATH.CONTENT.1.MD.3

Tell and write time in hours and half-hours using analog and digital clocks.

CCSS.MATH.CONTENT.2.MD.7

Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.

A

Joar Leifseth Ulsom left Willow, Alaska in the afternoon of March 4, 2018. About what time did Joar leave?

**B**

Joar arrived in Yentna that evening.

About what time did he get to Yentna?



What time did he leave Yentna?

**C**

Joar arrived in Skwentna early the next morning.

About what time did he arrive in Skwentna?



About what time did he depart from Skwentna?

**D**

Joar got to Finger Lake later that morning.

About what time did he get Finger Lake?



About what time did he leave Finger Lake?



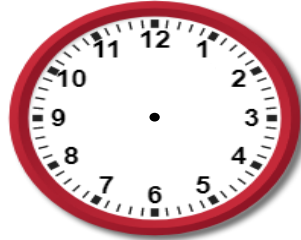
E

Joar made it to Rainy Pass
shortly after noon.

He arrived in Rainy Pass at
about 12:35. Show the time
on the analog clock on the
recording sheet.



He left Rainy Pass at 3:35.
Show the time on the analog
clock on the recording
sheet.

**F**

Later that night,
Joar arrived in Rohn.

He arrived in Rohn at 7:35.
Show the time on the analog
clock on the recording
sheet.



He left Rohn at about 7:40.
Show the time on the analog
clock on the recording
sheet.

**G**

The next morning,
Joar arrived in Nikolai.

He arrived in Nikolai at
about 8:55. Show the time
on the analog clock on the
recording sheet.



After a short break, he left
Nikolai at about 1:05 that
afternoon. Show the time on
the analog clock on the
recording sheet.

**H**

That evening,
Joar arrived in McGrath.

He arrived in McGrath
around 8:00. Show the time
on the analog clock on the
recording sheet.



He left McGrath around
11:05. Show the time on the
analog clock on the
recording sheet.



I

Early in the morning,
Joar made it to Takotna.

About what time did he
get to Takotna?



About what time did he
leave Takotna?

**J**

Joar got to Ophir
later that morning.

About what time did he
arrive in Ophir?



About what time did he
depart Ophir?

**K**

Joar arrived in Iditarod,
the halfway point,
late that night.

About what time did he
make it to Iditarod?



About what time did he
leave Iditarod?

**L**

The next morning,
Joar arrived in Shageluk.

About what time did he
get to Shageluk?



About what time did he
leave Shageluk?



M

Later that morning,
Joar arrived in Anvik.

He arrived in Anvik around
11:00. Show the time on the
analog clock on the
recording sheet.



He left Anvik around 11:05.
Show the time on the analog
clock on the recording
sheet.

**N**

Early that afternoon,
Joar arrived in Grayling.

About what time did he get
to Grayling?



About what time did he
leave Grayling?

**O**

After almost 24 hours on
the trail, Joar arrived in Kaltag
late the next night.

He arrived in Kaltag at about
9:55. Show the time on the
analog clock on the
recording sheet.



After a short rest, he left
Kaltag at about 3:15 the
following morning. Show the
time on the analog clock on
the recording sheet.

**P**

That evening,
Joar arrived in Unalakleet.

He arrived in Unalakleet
around 6:40. Show the time
on the analog clock on the
recording sheet.



He departed Unalakleet at
8:20. Show the time on the
analog clock on the
recording sheet.



Q

Joar arrived in Shaktoolik
early the next morning.

What time did he
get to Shaktoolik?



About what time did he
leave Shaktoolik?

**R**

Joar got to Koyuk
later that morning.

About what time did he
arrive in Koyuk?



About what time did he
depart Koyuk?

**S**

Joar got to Elim
just after midnight.

About what time did he
make it to Elim?



About what time did he take
off from Elim?

**T**

Joar got to White Mountain
later that morning.

About what time did he
get to White Mountain?



About what time did he
leave White Mountain
that afternoon?



U

Joar made it to Safety
late that night.

He arrived in Safety around
11:50. Show the time on
the analog clock on the
recording sheet.



He departed Safety at about
11:55. Show the time on the
analog clock on the
recording sheet.

**V**

Joar Leifseth Ulsom crossed the
Iditarod finish line in the early
morning hours on March 14 and became
the 2018 Iditarod champion.
What time did Joar cross the finish line?









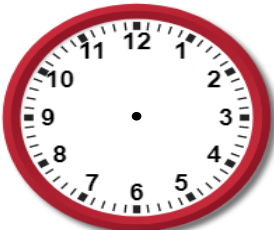
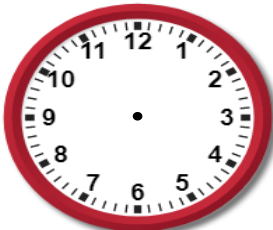




Iditarod Time to the Minute

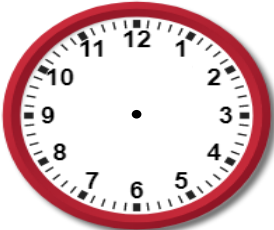
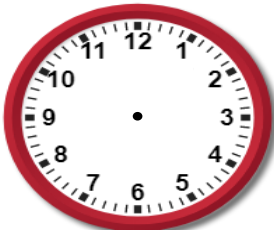






Joar Leifseth Ulsom was the 2018 Iditarod Champion. Can you help Joar get down the trail from Willow, Alaska to Nome, Alaska? Write or draw the time for each card. Circle a.m. or p.m.

When you have finished all the cards, you've crossed the finish line!

Card	Clock 1 Answer	a.m. or p.m.	Clock 2 Answer	a.m. or p.m.
A		a.m. p.m.		
B		a.m. p.m.		a.m. p.m.
C		a.m. p.m.		a.m. p.m.
D		a.m. p.m.		a.m. p.m.
E		a.m. p.m.		a.m. p.m.
F		a.m. p.m.		a.m. p.m.

Card	Clock 1 Answer	a.m. or p.m.	Clock 2 Answer	a.m. or p.m.
G		a.m. p.m.		a.m. p.m.
H		a.m. p.m.		a.m. p.m.
I		a.m. p.m.		a.m. p.m.
J		a.m. p.m.		a.m. p.m.
K		a.m. p.m.		a.m. p.m.
L		a.m. p.m.		a.m. p.m.
M		a.m. p.m.		a.m. p.m.
N		a.m. p.m.		a.m. p.m.

Card	Clock 1 Answer	a.m. or p.m.	Clock 2 Answer	a.m. or p.m.
O		a.m. p.m.		a.m. p.m.
P		a.m. p.m.		a.m. p.m.
Q		a.m. p.m.		a.m. p.m.
R		a.m. p.m.		a.m. p.m.
S		a.m. p.m.		a.m. p.m.
T		a.m. p.m.		a.m. p.m.
U		a.m. p.m.		a.m. p.m.
V		a.m. p.m.		









Iditarod Time to the Minute







(Answer Key)

Joar Leifseth Ulsom was the 2018 Iditarod Champion. Can you help Joar get down the trail from Willow, Alaska to Nome, Alaska? Write or draw the time for each card. Circle a.m. or p.m.

When you have finished all the cards, you've crossed the finish line!

Card	Clock 1 Answer	a.m. or p.m.	Clock 2 Answer	a.m. or p.m.
A	3:00	a.m. p.m.		
B	7:00	a.m. p.m.	7:05	a.m. p.m.
C	1:15	a.m. p.m.	1:20	a.m. p.m.
D	6:10	a.m. p.m.	9:05	a.m. p.m.
E		a.m. p.m.		a.m. p.m.
F		a.m. p.m.		a.m. p.m.

Card	Clock 1 Answer	a.m. or p.m.	Clock 2 Answer	a.m. or p.m.
G		a.m. p.m.		a.m. p.m.
H		a.m. p.m.		a.m. p.m.
I	1:40	a.m. p.m.	1:45	a.m. p.m.
J	4:40	a.m. p.m.	4:50	a.m. p.m.
K	8:30	a.m. p.m.	9:40	a.m. p.m.
L	4:40	a.m. p.m.	7:40	a.m. p.m.
M		a.m. p.m.		a.m. p.m.
N	2:00	a.m. p.m.	10:00	a.m. p.m.

Card	Clock 1 Answer	a.m. or p.m.	Clock 2 Answer	a.m. or p.m.
O		a.m. p.m.		a.m. p.m.
P		a.m. p.m.		a.m. p.m.
Q	1:55	a.m. p.m.	4:50	a.m. p.m.
R	1:00	a.m. p.m.	5:50	a.m. p.m.
S	12:55	a.m. p.m.	1:05	a.m. p.m.
T	7:50	a.m. p.m.	3:50	a.m. p.m.
U		a.m. p.m.		a.m. p.m.
V	3:00	a.m. p.m.		