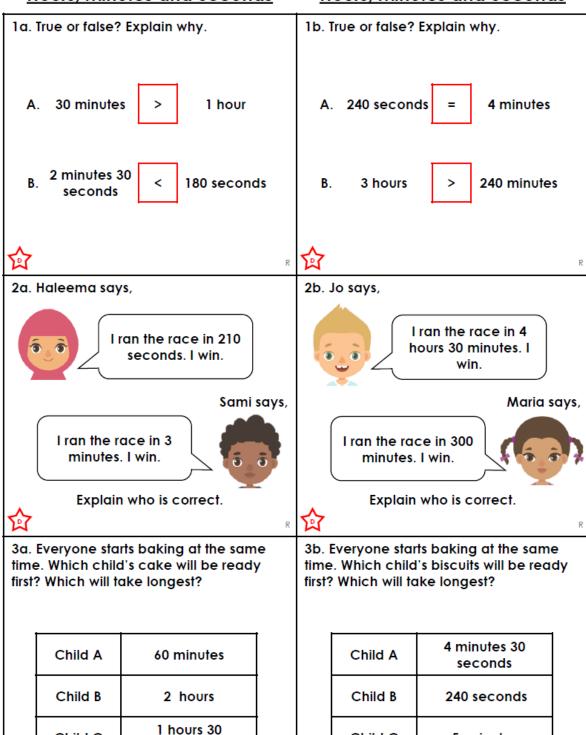
Hours, Minutes and Seconds

Child C

minutes

Hours, Minutes and Seconds

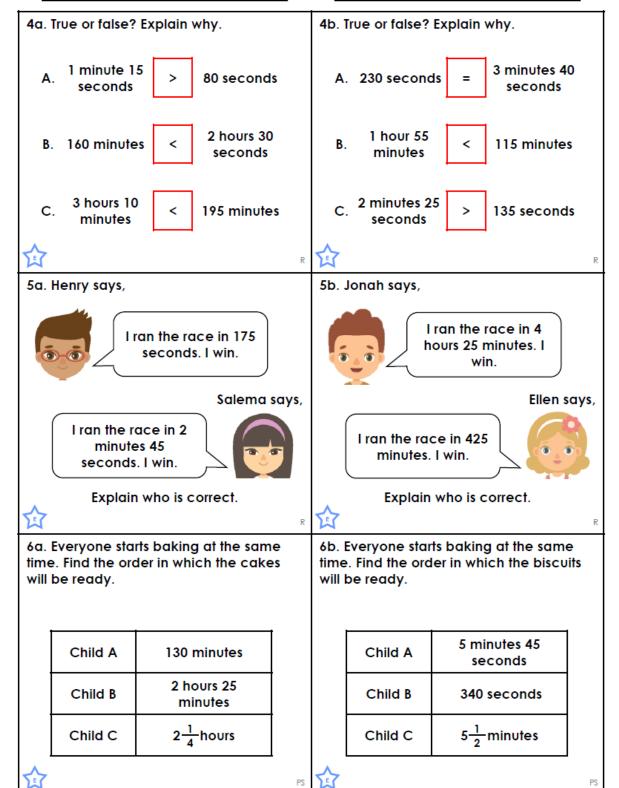


Child C

5 minutes

Hours, Minutes and Seconds

Hours, Minutes and Seconds



Hours, Minutes and Seconds

Hours, Minutes and Seconds

7a. True or false? Explain why.

- A. 3 hours 96 minutes
- > 216 minutes
- B. 403 seconds = 6 minutes 53 seconds
- C. 717 minutes

< 11 hours 58 minutes

- 7b. True or false? Explain why.
 - A. 482 seconds < 8 minutes 22 seconds
 - B. 9 hours 25 minutes < 575 minutes
 - C. 7 minutes 76 seconds > 446 seconds



8a. Ida says,



I ran the race in 6 hours 58 minutes. I win.

Umer says,

I ran the race in 428 minutes. I win.



Explain who is correct.

8b. Austin says,



I ran the race in 737 seconds.
I win.

Anoushka says,

I ran the race in 12 minutes 17 seconds. I win.



Explain who is correct.



9a. Everyone starts baking at the same time. Calculate the order in which the chocolate cakes will be ready.

Child A	4 1/2 hours
Child B	282 minutes
Child C	4 hours 27 minutes
Child D	4 3/4 hours

9b. Everyone starts baking at the same time. Calculate the order in which the buns will be ready.

Child A	11 minutes 44 seconds
Child B	$11\frac{3}{4}$ minutes
Child C	744 seconds
Child D	11 1/4 minutes





Reasoning and Problem Solving Hours, Minutes and Seconds

Developing

1a. A is false because 1 hour = 60 minutes. So 30 minutes < 1 hour. B is true.

2a. Sami is correct because 3 minutes = 180 seconds which is fewer than 210 seconds.

3a. Child A's cake will be ready first as 60 minutes = 1 hour. Child B's cake will take longest as 2 hours = 120 minutes.

Expected

4a. A is false because 1 minute 15 seconds = 75 seconds which is < 80 seconds. B is false because 160 minutes = 2 hours 40 minutes which is > 2 hours 30 minutes. C is true.

5a. Salema is correct because 2 minutes 45 seconds = 165 seconds which is fewer than 175 seconds.

6a. Child A (130 minutes), Child C (135 minutes), Child B (145 minutes).

Greater Depth

7a. A is true. B is false because 403 seconds = 6 minutes 43 seconds which is < 6 minutes 53 seconds. C is true.

8a. Ida is correct because 6 hours 58 minutes = 418 minutes which is fewer than 428 minutes.

9a. Child C (267 minutes), Child A (270 minutes), Child B (282 minutes), Child D (285 minutes).

Reasoning and Problem Solving Hours, Minutes and Seconds

Developing

1b. A is true. B is false because 3 hours = 180 minutes. So 3 hours < 240 minutes.

2b. Jo is correct because 4 hours 30 minutes = 270 minutes which is fewer than 300 minutes.

3b. Child B's biscuits will be ready first as 240 seconds = 4 minutes. Child C's biscuits will take longest as 5 minutes = 300 seconds.

Expected

4b. A is false because 230 seconds = 3 minutes 50 seconds which is > 3 minutes 40 seconds. B is false because 1 hour 55 minutes = 115 minutes so they are both equal. C is true.

5b. Jonah is correct because 4 hours 25 minutes = 265 minutes which is fewer than 425 minutes.

6b. Child C (330 seconds), Child B (340 seconds), Child A (345 seconds).

Greater Depth

7b. A is true. B is true. C is true.

8b. The race was a draw. 737 seconds = 12 minutes 17 seconds.

9b. Child D (675 seconds), Child A (704 seconds), Child B (705 seconds), Child C (744 seconds).