



- 1 a) Do the two countdown timers show the same time until launch?
- b) What will both timers say in 1 minute's time?

What do you know that will help you with this problem?

What do we need to do to answer the question?

60 seconds = 1 minute

= 2 minutes

180 seconds =

= 4 minutes

What number facts can help us with the multiplications?

6 x 1 = 6 so 60 x 1 = 60

6 x 2 = 12 so 60 x 2 = 120

can you complete the pattern?

6 x 3 = so 60 x 3 =

6 x 4 = so 60 x 4 =

6 x 5 = so 60 x 5 =

6 x 6 = so 60 x 6 =

6 x 7 = so 60 x 7 =

6 x 8 = so 60 x 8 =

6 x 9 = so 60 x 9 =

6 x 10 = so 60 x 10 =

- a) The timers show the time in different ways.

To compare the times, convert them into the same **unit of time**.

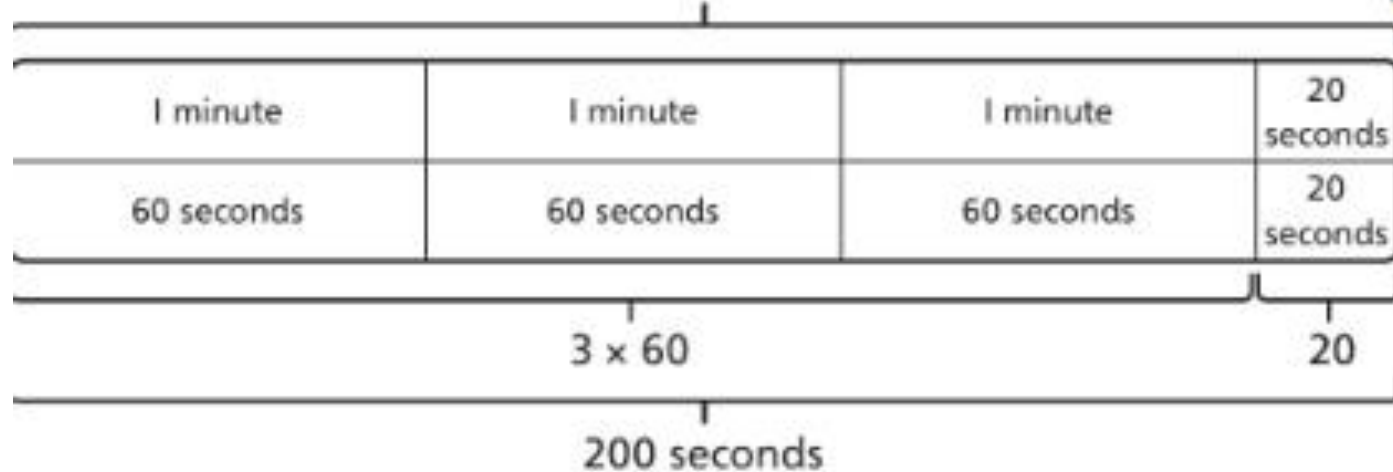
1 minute = 60 seconds



I am going to draw a bar model to show 3 minutes and 20 seconds.



3 minutes 20 seconds



Lets try some other combinations

Think together

- 1 Do these two timers show the same time?



Is 2 minutes 50 seconds the same as 160 seconds?

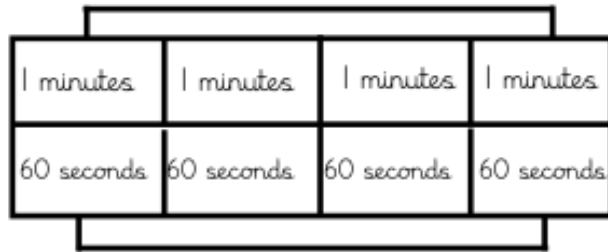
- 2 The countdown timer on the right is correct. The timer on the left is wrong.

What should the timer on the left show?

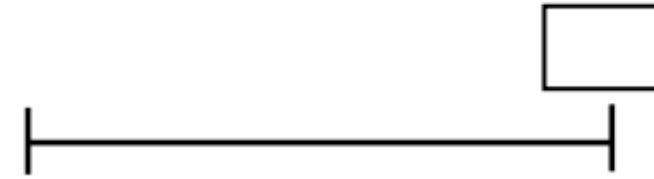
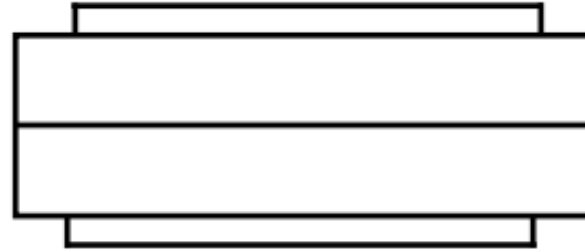
4 MINUTES 30 SECONDS

280 seconds

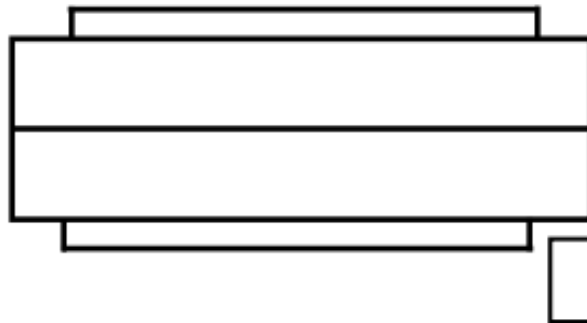
4 minutes = _____ seconds



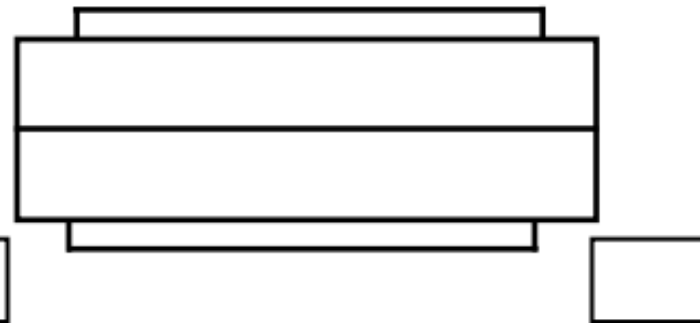
_____ seconds = 7 minutes



5.5 minutes = _____ seconds



_____ minutes = 240 seconds



Who won the race?

1 min = seconds
2 min = seconds
3 mins = seconds
5 mins = seconds
10 mins = seconds

2a. Haleema says,



I ran the race in 210 seconds. I win.

Sami says,

I ran the race in 3 minutes. I win.



Explain it!

_____ is correct.

I know this is true because there are _____ seconds in a minute, therefore there are _____ seconds in 3 minutes which is _____ than 210 seconds.

Twist it

5b. Jonah says,



I read my book for 4 hours and 25 minutes. I read the most.

Ellen says,

I read my book for 425 minutes. I read the most.



_____ is correct.

Explain it!

I know this is true because there are _____ minutes in an hour, therefore there are _____ minutes in 4 hours and 25 minutes which is _____ than 425 minutes.

1hr =

mins

2hrs =

mins

3hrs =

mins

4hrs =

mins

5hrs =

mins

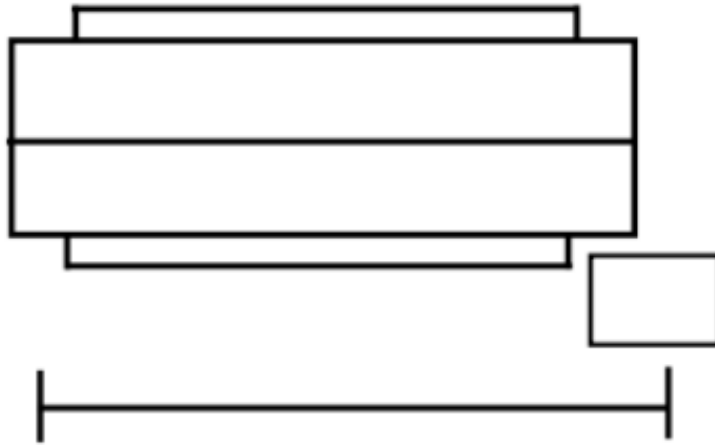
10hrs =

mins

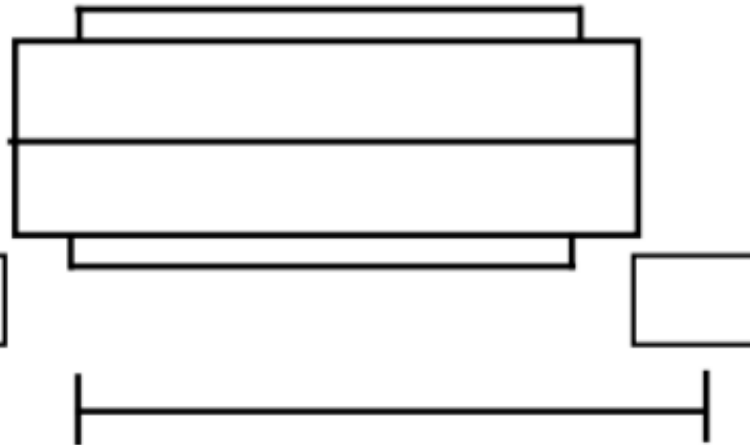
What do we know that can help with this?

? minutes = 1 hour

3 hours = _____ minutes



10.5 hours = _____ minutes



- 1hr =** **mins**
- 2hrs =** **mins**
- 3hrs =** **mins**
- 4hrs =** **mins**
- 5hrs =** **mins**
- 10hrs =** **mins**

Twist it

5b. Jonah says,



I read my book for 4 hours and 25 minutes. I read the most.

Ellen says,

I read my book for 425 minutes. I read the most.



_____ is correct.



I know this is true because there are _____ minutes in an hour, therefore there are _____ minutes in 4 hours and 25 minutes which is _____ than 425 minutes.

1hr =	mins
2hrs =	mins
3hrs =	mins
4hrs =	mins
5hrs =	mins
10hrs =	mins

