

06/05/2020

LO: To convert between
different measures

Quick recall!

Multiplication
FACTS

$$9 \times 6 = 54$$

Quick recall!

Multiplication
FACTS

$$8 \times 8 = 64$$

Problem of the day!

Elsie buys a teddy for £6.10 and a pair of rollerblades for £8.20.

How much does she spend?

$$\begin{array}{r} \text{£ } 8.20 \\ + \text{£ } 6.10 \\ \hline \text{£}14.30 \end{array}$$

Let's
Recap



How many seconds in a
minute?

How many minutes in an
hour?



If 1 hours is 60 minutes
then....

How many
minutes are there
in 3 hours?

How many minutes
are there in 3 hours
and 15 minutes?

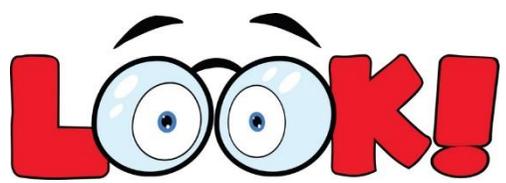
LOOK!



Amber goes to yoga for 1 hour and 38 mins. How many minutes was she swimming for?

What do we need to know to solve this word problem?

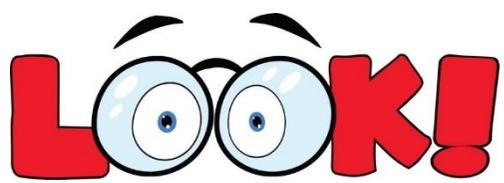




Amber goes to yoga for **1 hour** and **38 mins**. **How many minutes** was she swimming for?

We need to know...

- How many minutes in an hour
- How to convert hours to minutes
- How to add



Amber goes to yoga for **1 hour** and **38 mins**. **How many minutes** was she swimming for?

What do you need to do to successfully solve this problem?
What steps do you need to take?

- Read the problem
- Think about what you need to know to solve it
- Decide what steps you need to take
- Solve the problem
- Check your answer



Ben goes to Karate for 2 hours and 19 minutes.

How many minutes in total does he go for?

2 hours = 120 minutes

Plus 19 mins

120

19

139 minutes

Miss says....

**Today we are learning to
convert between different
units of measure (time).**



What will my success criteria look like?



- I can read a problem
- I can identify the key information needed to solve the problem
- I can decide what strategy I need to use to solve the problem
- I can solve the problem and check my answer



(3)

Fluency

- 1) Two hours = ____ minutes Three minutes = ____ seconds.
Half an hour = ____ minutes ____ minutes = 240 seconds
- 2) Katie goes swimming for 1 hour and 42 minutes. How many minutes was she swimming?

Reasoning and problem solving

3)

Dora says,



To convert hours to minutes, I multiply the number of hours by 60

Is she correct? Can you explain why?

- 4) Five friends run a race. Their times are shown in the table.

Name	Time
Eva	114 seconds
Dexter	199 seconds
Teddy	100 seconds
Whitney	202 seconds
Ron	119 seconds

Which child finished the race the closest to two minutes?

What was the difference between the fastest time and the slowest time?
Give your answer in minutes and seconds.

When you have completed your work
look at the next pages to check your
answers.

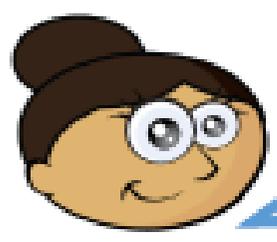


ANSWER

- 1) Two hours = ¹²⁰ minutes Three minutes = ¹⁸⁰ seconds.
Half an hour = ³⁰ minutes ⁴ minutes = 240 seconds

- 2) Katie goes swimming for 1 hour and 42 minutes. How many minutes was she swimming?
^{102 minutes}

Dora says,



To convert hours to minutes, I multiply the number of hours by 60

Is she correct? Can you explain why?

Dora is correct. For example
1 hour = 60 minutes
 $1 \times 60 = 60$
2 hours = 120 minutes
 $2 \times 60 = 120$

Five friends run a race. Their times are shown in the table.

Name	Time
Eva	114 seconds
Dexter	199 seconds
Teddy	100 seconds
Whitney	202 seconds
Ron	119 seconds

Which child finished the race the closest to two minutes?

What was the difference between the fastest time and the slowest time?
Give your answer in minutes and seconds.

Ron was the closest to two minutes, as he is one second quicker than 2 minutes (120 seconds).

Fastest time 100 seconds, slowest time 202 seconds.

The difference between the fastest and slowest time is 1 minute and 42 seconds.

Plenary



I can do this!



I'm getting there.



I need help!

Check your work!!

Did you meet the learning objective?

Self assess- How did you find the work today?