| Maths | Lesson 1 |
|-------|---|
| | LO: To convert between minutes and seconds. |
| | |
| | What can you do in a minute? |
| | How many times can you write your name in a |
| | minute? |
| | How many star jumps can you do in a minute? How do we work out how many seconds in 2 |
| | minutes? |
| | What calculation do you have to do? |
| | So if 1 minute = 60 seconds, 2 minutes would be 2 x 60 = 120 seconds. |
| | REMEMBER: You can work out 2 x 6 = 12 first and |
| | then make the answer 10 times bigger as you want |
| | to know the answer to 2 x 60. |
| | Talk and Share |
| | |
| | 3 minutes = 3 X 60 seconds = 180 seconds |
| | 4 minutes = |
| | 5 minutes = |
| | 10 minutes = |
| | 10 minutes - |
| | |
| | E4E 2 $\frac{1}{2}$ minutes = |
| | What if you wanted to convert seconds to minutes? What calculation would you need to do? |
| | E.g. 120 seconds = 2 minutes Work out 12 ÷6 = 2 120 ÷ 60 = 2 |
| | Activity |

```
Complete the questions and remember to show your
working out.
1) convert to seconds
      7 minutes
      9 minutes
      12 minutes
      20 minutes
2) convert to minutes
      360 seconds
      480 seconds
      660 seconds
Answers
1) convert to seconds
      7 minutes = 420 seconds
      9 minutes = 540 seconds
      12 minutes = 720 seconds
      20 minutes = 1200 seconds
2) convert to minutes
      360 seconds = 6 minutes
      480 seconds = 8 minutes
      660 seconds = 11 minutes
Lesson 2
LO: To convert between hours and minutes.
What can you do in an hour?
How is this different to what you can do in a
minute?
How do we work out how many minutes in 2
hours?
What calculation do you need to do?
What mental strategy do we use?
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Remember – there are 60 minutes in I hour. Use
your knowledge of the 6 x tables and then multiply
the answer by 10 so its ten times bigger.
½ hour = 30 minutes
I hour = 60 minutes
1 ½ hours = 90 minutes
2 hours = 120 minutes
2 ½ = 150 minutes
10 hours = ?
12 \text{ hours} = ?
20 hours = ?
24 \text{ hours} = ?
10 hours x 60 minutes = 600 minutes
12 hours x 60 minutes = 720 minutes - you could
work out 12 x 6 first and then multiply the answer
by 10.
20 hours x 60 minutes = 2 x 60 = 120 x 10 =
1200 minutes
24 hours x 60 minutes = 24 x 6 (using grid
method) = 144 x 10 = 1440 minutes.
You can use a number line to help you too: How
many hours and minutes in 125 minutes?
125 minutes = ___2 hours and _5_ minutes
                                 _120
                                                125
                  60
Calculate the conversions using your times tables to
help you and a number line if you need to.
         Option 1
<u>Option 2</u>
```

| Convert to minutes | Convert to minutes |
|----------------------------------|--|
| - 5 hours = mins | - 5 hours |
| - 6 hours | - 6½ hours |
| -10 hours | -12 hours |
| | |
| Convert to hours + mins | Convert to hours + mins |
| - 120 minutes _{= hours} | - 150 minutes |
| - 180 minutes | - 220 minutes |
| - 200 minuteshours | - 630 minutes |
| ANSWERS. | 25 |
| option 1 Convert to minutes | Convert to minutes option 2 |
| - 5 hours 300 mins | - 5 hours |
| - 6 hours 360 mins | - 6½ hours 390 mins |
| - 10 hours 600 mins | - 12 hours 720 mins |
| | |
| Convert to hours + mins | Convert to hours + mins |
| - 120 minutes _{2 hours} | - 150 minutes 2 hours 30 mins |
| - 180 minutes 3 haurs | - 220 minutes _{3 hours} 40 mins |
| - 200 minutes 3 hours | - 630 minutes 10 hours 30 mins |
| Lesson 3 | |
| LO: To understand how to . | solve problems involving |
| conversion of time. | |
| Deema | |
| <u>kecap:</u> | |
| 1 have = 60 minutes | |
| minute = 60 seconds | |
| 2 hours = 120 minutes | |
| 3 minutes = 180 seconds | |
| | |
| Think about how you would | d solve this word |
| problem: | |
| Rebecca goes walking for 2 hours | 37 minutes. How many minutes |
| has she been walking? | 1 |
| na she seen warking : | |





| Ruby spent 2 hours and 15 minutes at the library. |
|---|
| Activity |
| Answer the questions and make sure you use a number line to help solve them. |

Week 10 Maths Activities