

Year 5 week 8 maths

Activity 1

Converting Seconds, Minutes & Hours	Back to Basics
1.) 2 minutes = <input type="text"/> seconds	5.) $\frac{2592}{8} =$
2.) 3 hours = <input type="text"/> minutes	6.) $256 \times 5 =$
3.) 300 seconds = <input type="text"/> minutes	7.) $8,497 + 4,465 =$
4.) 120 minutes = <input type="text"/> hours	8.) $7,003 - 2,186 =$

Challenge

Lucy's birthday is in March.  
Jason's birthday is in April.  
Lucy is 96 hours older than Jason.  
What dates could Lucy's and Jason's birthdays be?



## Activity 2

Converting Seconds, Minutes & Hours	Back to Basics
1.) 1 day = <input type="text"/> hours	5.) $\frac{4067}{7} =$
2.) 6 hours = <input type="text"/> minutes	6.) $8,465 \times 5 =$
3.) 180 seconds = <input type="text"/> minutes	7.) $546 + 6,869 =$
4.) 60 minutes = <input type="text"/> seconds	8.) $4,265 - 3,298 =$

## Challenge

Three children are running a race.

- Tim finishes the race in 3 minutes 5 seconds.
- Lila finishes the race in 192 seconds.
- Pip finishes the race in 2 minutes and 82 seconds.

Who finishes the race first?



### Activity 3

Converting Seconds, Minutes & Hours	Back to Basics
1.) 72 hours = <input type="text"/> days	5.) $\frac{2340}{5} =$
2.) 11 hours = <input type="text"/> minutes	6.) $5,911 \times 6 =$
3.) 240 seconds = <input type="text"/> minutes	7.) $4,375 + 2,198 =$
4.) 540 minutes = <input type="text"/> hours	8.) $5,553 - 2,867 =$

### Challenge

Three trains travel from Halifax to Leeds on the same morning.



The Express leaves Halifax 10 minutes after the All Stations train, but arrives at Leeds 10 minutes before it. The All Stations train takes 50 minutes to reach Leeds and arrives at 10:30. The Goods train leaves 20 minutes before the All Stations train and arrives at Leeds 20 minutes after the Express.

What time does each train leave Halifax and what time does each train arrive at Leeds Station?

## Activity 4

Converting Seconds, Minutes & Hours	Back to Basics
1.) $2\frac{1}{2}$ days = <input type="text"/> hours	5.) $\frac{3675}{6} =$
2.) 3.5 hours = <input type="text"/> minutes	6.) $398 \times 8 =$
3.) 30 minutes = <input type="text"/> hours	7.) $756 + 299 + 327 =$
4.) 150 seconds = <input type="text"/> minutes	8.) $8,230 - 3,785 =$

## Challenge

Joe has answered  $47 \times 36$



$$\begin{array}{r} 47 \\ \times 36 \\ \hline 282 \\ \phantom{2}4 \\ 141 \\ \phantom{2}2 \\ \hline 323 \end{array}$$

Alice says:



The answer should be 1,692, not 323

Who is correct?

Explain how you know.

### Activity 5

Converting Seconds, Minutes & Hours	Back to Basics
1.) 75 minutes = <input type="text"/> hours	5.) $\frac{9145}{3} =$
2.) 30 hours = <input type="text"/> days	6.) $364 \times 438 =$
3.) 105 seconds = <input type="text"/> minutes	7.) $3,276 + 5,975 =$
4.) 6.25 hours = <input type="text"/> minutes	8.) $1,298 - 988 =$

### Challenge

Here are examples of Casey's maths work:

$$\begin{array}{r}
 987 \\
 \times 76 \\
 \hline
 + 5922 \\
 6909 \\
 \hline
 12,831
 \end{array}
 \qquad
 \begin{array}{r}
 324 \\
 \times 78 \\
 \hline
 + 592 \quad (324 \times 8) \\
 2680 \quad (324 \times 70) \\
 \hline
 \end{array}$$

Can you explain the mistakes she's made?

Correct each calculation.