

HOME LEARNING

Year 8

Home Learning 13

Focus for this week: Time facts & decimal time

Essential learning:	<ul style="list-style-type: none">• Know time facts relating to seconds, minutes and hours
Practising:	<ul style="list-style-type: none">• Know and use time facts relating to seconds, minutes, hours, days, weeks, fortnights, months and years
Learning about:	<ul style="list-style-type: none">• Finding the difference between two times
Extension:	<ul style="list-style-type: none">• Time word problems

Contents:

- Worksheet 1 Time facts 1
- Worksheet 2 Time facts
- Worksheet 3 Time facts
- Worksheet 4 Solve time problems
- Worksheet 5 Time problems

Tasks:

- Look at the learning objectives, reflect on what you are already confident with, what you would like to practise and what you would like to learn this week
- Choose 2-3 worksheets to complete this week and email them to Mr. Croft or Mrs. Coleman
- Login to MyMaths and complete MyMaths tasks
- Spend 10 minutes a day on Times Table Rock Stars; Numbots OR Sumdog
- Please email a photo of any worksheets or poster you complete to the email address below.
This will earn you a golden token.

Additional activities:

- Work out how many hours, minutes and seconds there are in the month of August.
You will need a calculator to help you.

If you have queries about this work, please contact me at jcoleman@bower-grove.kent.sch.uk

Worksheet 1 Time facts1 Convert minutes and hours and seconds

Remember there are 60 minutes in an hour and 60 seconds in a minute.

Convert the following into minutes.

- 1) 3 hours = _____ minutes 2) 5 hours = _____ minutes
3) 9 hours = _____ minutes 4) 2 hours = _____ minutes
5) 10 hours = _____ minutes 6) 1 hour = _____ minutes
7) 12 hours = _____ minutes 8) 7 hours = _____ minutes
9) 6 hours = _____ minutes 10) 15 hours = _____ minutes

Convert the following into seconds.

- 11) 3 minutes = _____ seconds 12) 9 minutes = _____ seconds
13) 10 minutes = _____ seconds 14) 1 minute = _____ seconds
15) 11 minutes = _____ seconds 16) 5 minutes = _____ seconds
17) 2 minutes = _____ seconds 18) 8 minutes = _____ seconds
19) 13 minutes = _____ seconds 20) 4 minutes = _____ seconds

Email completed worksheets to me at jcoleman@bower-grove.kent.sch.uk

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Name: _____

Date: _____

Converting time

Convert these times from hours to minutes (remember- your 6 times table may be useful)

Hours	Minutes
1hr	60 mins
2rs	
$\frac{1}{2}$ hr	
$\frac{1}{4}$ hr	
	120 mins
	300 mins
4 hrs	
	420 mins
$2\frac{1}{2}$ hrs	
$1\frac{1}{2}$ hrs	
$5\frac{1}{2}$ hrs	
$3\frac{1}{2}$ hrs	



Now try these

Hours and Minutes	Minutes
1hr and 20mins	80 mins
	190 mins
	100 mins
	220 mins
	350 mins

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Converting Time Units (A)

Name: _____

Date: _____

Convert to shorter time units:

_____ seconds in 8 minutes

_____ seconds in 3 minutes

_____ hours in 10 days

_____ seconds in 4 minutes

_____ seconds in 2 minutes



_____ hours in 5 days

_____ minutes in 1 hour

_____ minutes in 6 hours

_____ minutes in 9 hours

_____ hours in 7 days

Convert to longer time units:

_____ hours in 240 minutes

_____ minutes in 360 seconds

_____ hours in 120 minutes

_____ days in 168 hours

_____ minutes in 600 seconds



_____ days in 216 hours

_____ minutes in 180 seconds

_____ minutes in 300 seconds

_____ day in 24 hours

_____ hours in 480 minutes

Convert to shorter or longer time units:

_____ hours in 3 days

_____ day in 24 hours

_____ minutes in 6 hours

_____ seconds in 7 minutes

_____ hours in 540 minutes



_____ minutes in 120 seconds

_____ minutes in 240 seconds

_____ hours in 5 days

_____ minutes in 10 hours

_____ minutes in 480 seconds

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token.

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Investigation in to elapsed time

Complete the Table Below.

Start Time	End Time	Elapsed Time
	12:33 P.M.	1 Hours & 33 Minutes
	7:35 A.M.	3 Hours & 15 Minutes
3:00 A.M.	4:34 A.M.	
	10:34 P.M.	2 Hours & 34 Minutes
10:40 A.M.	2:16 P.M.	
1:00 P.M.	3:55 P.M.	
	9:46 P.M.	3 Hours & 26 Minutes
5:00 P.M.	8:38 P.M.	
	5:00 P.M.	3 Hours & 40 Minutes
9:40 P.M.		4 Hours & 44 Minutes

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Time word problems



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1. Ellie takes the train to Edinburgh. She sets off at 09:25 in the morning and arrives at 09:47. How long was her journey?
2. Ben travels on a coach to Manchester. His coach sets off at 08:19. The journey is 23 minutes long. At what time did he arrive?
3. Annabel drives to Cardiff. Her journey takes her 41 minutes. She arrives at 11:55. What time did she set off?
4. On holiday, Anna cycles to Killarney. She sets off at 14:27 and arrives at 14:58. How long was her journey?
5. Alexander goes on a walk to climb Box Hill. The climb takes him 33 minutes. He arrives at the top of the mountain at 14:22. At what time did he start his climb?
6. Miss Goodman goes snorkelling in the Caribbean. She sets off at 12:20. She goes snorkelling for 43 minutes. At what time does she arrive back again?
7. Whilst on holiday in Egypt, Miss Nicol decides to go on a camel ride. She sets off at 14:40 and her ride goes on for 36 minutes. When does her ride end?
8. Mr Harverson goes on a walk on the Isle of Wight. When he sets off, his watch tells him that it is 10:30. His walk is 1 hours 10 minutes long. At what time does he arrive?
9. Mrs Razzell goes on a space walk from the ISS which lasts $1\frac{1}{2}$ hours. She completes her spacewalk at 23:45. At what time did she start it?
10. Mrs Edwell decides to tightrope walk across Niagara Falls. She sets off at 09:20. The walk takes her 1 hour 30 minutes. At what time does she arrive at the other end of the tightrope?
11. Mrs Van Roijen decides to abseil down the Shard in London. The journey down takes 40 minutes. Eventually she arrives at the bottom of the Shard. Looking at her watch she sees that it is now 12:15. At what time did she set off?