

Good morning, Year 3! We have a new maths focus - time duration (length of time). In this document you can find flipchart explanations and short practice activities to build up to independently completing time duration problems.

If you have any questions or anything you are struggling with, please email me and I will send extra help or explanations ☺

Activity one (Monday):

Starter:

Write out your 6 times tables on a piece of paper. Keep it close by, as you could use this later to help you! Use your fact family knowledge to work out your 60 times tables.

$1 \times 6 =$

$8 \times 6 =$

$3 \times 60 =$

$2 \times 6 =$

$9 \times 6 =$

$4 \times 60 =$

$3 \times 6 =$

$10 \times 6 =$

$5 \times 60 =$

$4 \times 6 =$

$11 \times 6 =$

$6 \times 60 =$

$5 \times 6 =$

$12 \times 6 =$

$7 \times 60 =$

$6 \times 6 =$

$1 \times 60 =$

$8 \times 60 =$

$7 \times 6 =$

$2 \times 60 =$

$9 \times 60 =$

Complete the worksheet below, converting the different times. You may have to multiply or divide to get the right answers.

Remember that one hour is 60 minutes - you can use this to help you!

Eg Work out 1 and a half hours in minutes.

1 hour = ____ minutes

$\frac{1}{2}$ hour = ____ minutes

____ + ____ = ____ minutes

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 theses

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

Activity two (Tuesday):

Starter:

$3+8=$

$5+9=$

$3+6=$

$12+7=$

$27+3=$

$6+42=$

$23+37=$

$17+12=$

$73+24=$

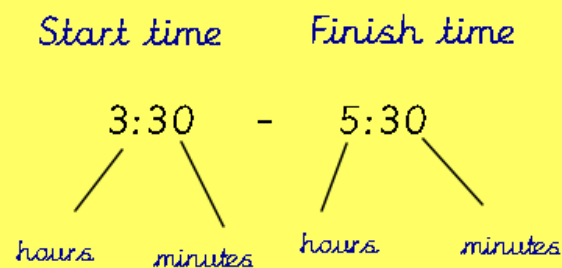
$21+47=$

$27+98=$

$83+74=$

Working out time durations.

If we want to know how long something has taken, we will have a start time and a finish time, and have to work out how many hours and minutes have passed in between.

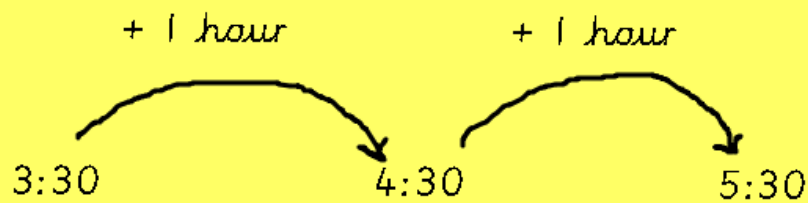


How many hours have passed from 3 - 5?

How many minutes? Have the minutes changed?

3:30 - 5:30

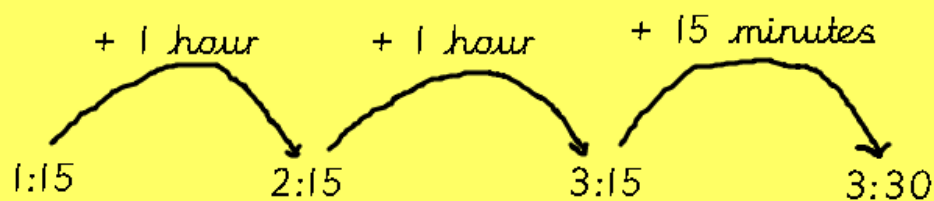
Let's start from 3:30 and count on until we get to 5:30



Two hours have passed.

What about if the minutes change as well?

1:15 - 3:30. How long has passed?



1h + 1h + 15m = 2h 15m

2 hours and 15 minutes have passed.

Have a go at these questions:

How many hours and minutes have passed?

1. 12:10 to 12:35
2. 14:40 to 14:55
3. 14:40 to 15:05
4. 12:30 to 16:10
5. 17:30 to 18:20
6. 19:55 to 20:10
7. 12:34 to 13:23
8. 9.34 to 10.27
9. 9.56 to 10.18

Challenge question:

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- Tara is going to Blackpool for a day. She has 4 hours 30 minutes there and can choose 3 activities to do while she is there.

Which activities could she choose to do? How much time would they fill?
How many combinations of activities can you find?

Donkey rides	30 minutes
Theme Park	110 minutes
Blackpool Tower	1 hour 20 minutes
Swimming pool	1 hour 45 minutes
Amusements	1 hour 10 minutes
Sea life Centre	125 minutes

Activity three (Wednesday):