



Calculating with time in football

Level 1

Maths resource

Upper KS2: Ages 9-11

Level 1

Being able to calculate with time is an important part of football!

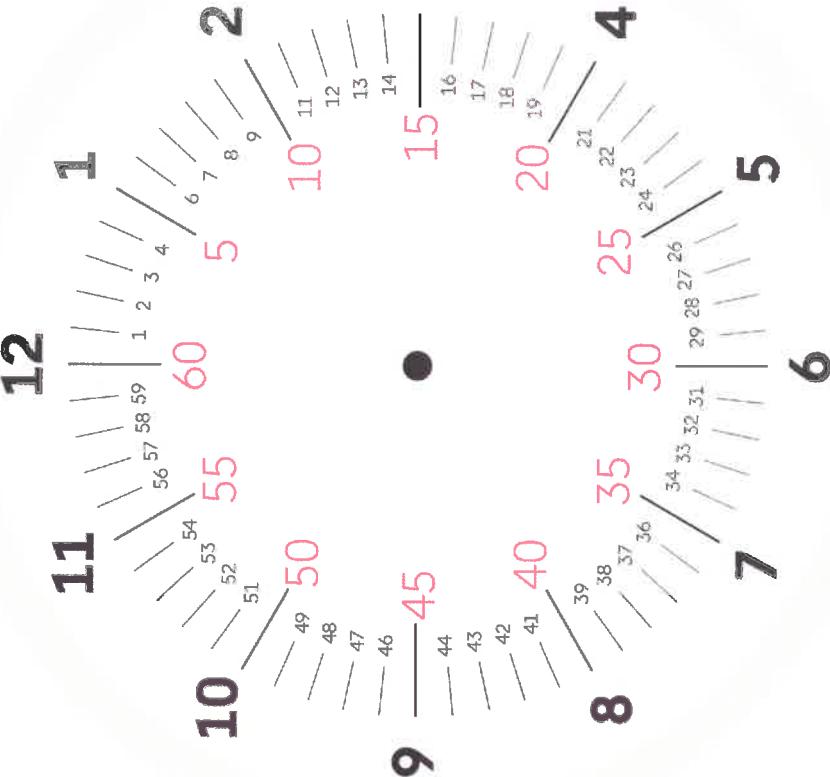
Practise calculating with time. Answer the questions on a piece of paper, making sure you show your working.

Use the blank clock face like a number line to help you work out each answer.

You can use the **Calculating with time in football: The Maths presentation** to help you understand how to do this.

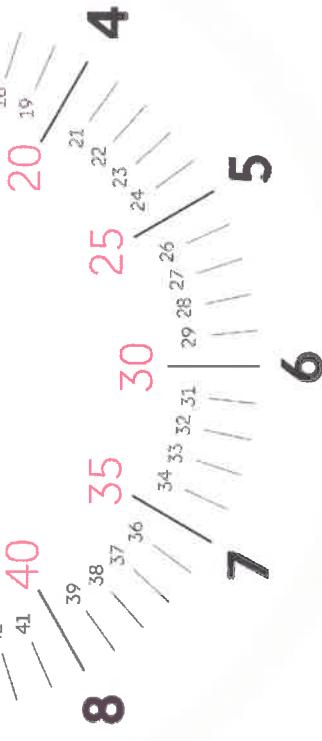
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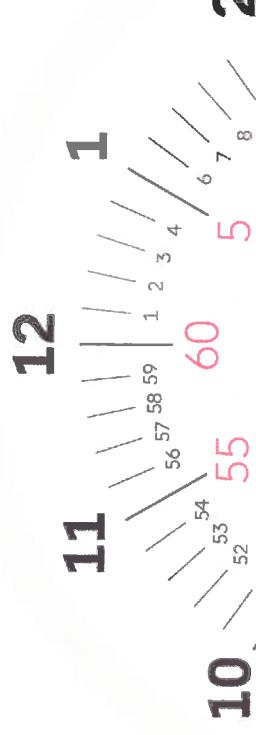




Q1.

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Use the blank clock face like a number line to help you work out each answer.

- 14 minutes + 23 minutes
- 6 minutes + 19 minutes
- 36 minutes + 24 minutes
- 42 minutes + 34 minutes
- 39 minutes + 56 minutes
- 19 minutes + 31 minutes + 27 minutes
- 36 minutes + 42 minutes + 51 minutes





Q2.

During a football match,
Harry Kane plays 86 minutes
of the match.

**How long is this in hours
and minutes?**

Kick-off



Half-time



Full-time





Q3.

Harry Wilson plays 75 minutes of the match.

How long is this in hours and minutes?

Kick-off

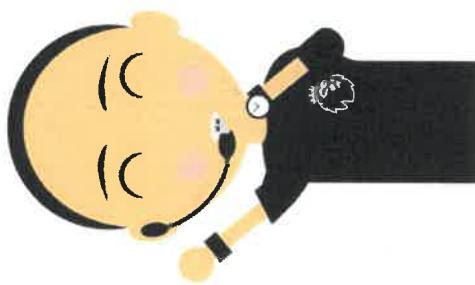




Q4.

**How long do Harry Kane and
Harry Wilson play in total?**

Harry Kane	86 minutes
Harry Wilson	75 minutes



Full time!



Answers

- **Q1.**
 - a) $14 \text{ minutes} + 23 \text{ minutes} = 37 \text{ minutes}$
 - b) $6 \text{ minutes} + 19 \text{ minutes} = 25 \text{ minutes}$
 - c) $36 \text{ minutes} + 24 \text{ minutes} = 60 \text{ minutes}$
or **1 hour**
 - d) $42 \text{ minutes} + 34 \text{ minutes} = 76 \text{ minutes}$
or **1 hour 16 minutes**
 - e) $39 \text{ minutes} + 56 \text{ minutes} = 95 \text{ minutes}$
or **1 hour 35 minutes**
 - f) $19 \text{ minutes} + 31 \text{ minutes} + 27 \text{ minutes}$
= 77 minutes or 1 hour 17 minutes
 - g) $36 \text{ minutes} + 42 \text{ minutes} + 51 \text{ minutes}$
= 129 minutes or 2 hours 9 minutes
- **Q2.** 1 hour 26 minutes
- **Q3.** 1 hour 15 minutes
- **Q4.** $86 + 75 = 161 \text{ minutes}$ or **2 hours 41 minutes**





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Level 2

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Level 2

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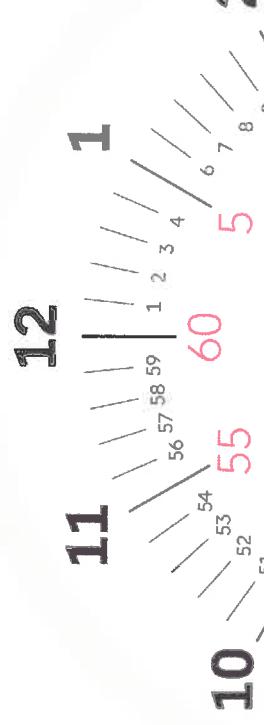




Q1.

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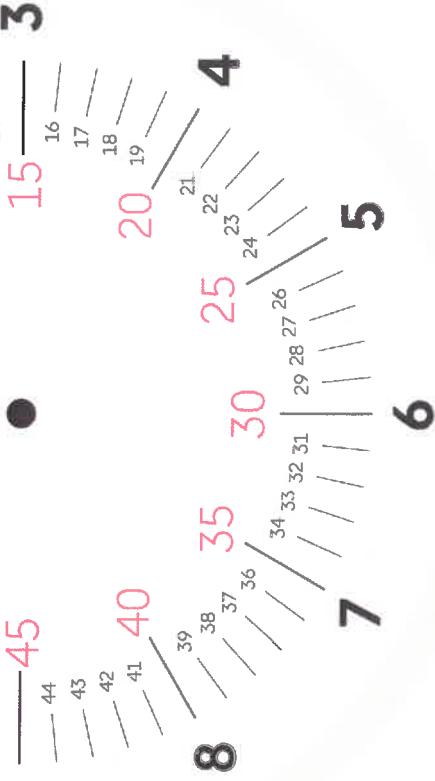
11



Use the blank clock face like a number line to help you work out each answer.

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How much time is there between:

- 17 minutes and 29 minutes?
- 12 minutes and 51 minutes?
- 47 minutes and 1 hour 15 minutes?
- Which is the biggest time difference?
 - 35 minutes and 1 hour 15 minutes
 - 26 minutes and 1 hour 10 minutes





Q2.

During a football match, Arsenal score in the 15th minute. West Ham United score in the 32nd minute.

How many minutes are between the two goals?

Kick-off





Q3.



Watford score a goal in 10 minutes. One of their players gets a yellow card after 21 minutes.

How much time passes between the goal and the yellow card?

Kick-off

Half-time

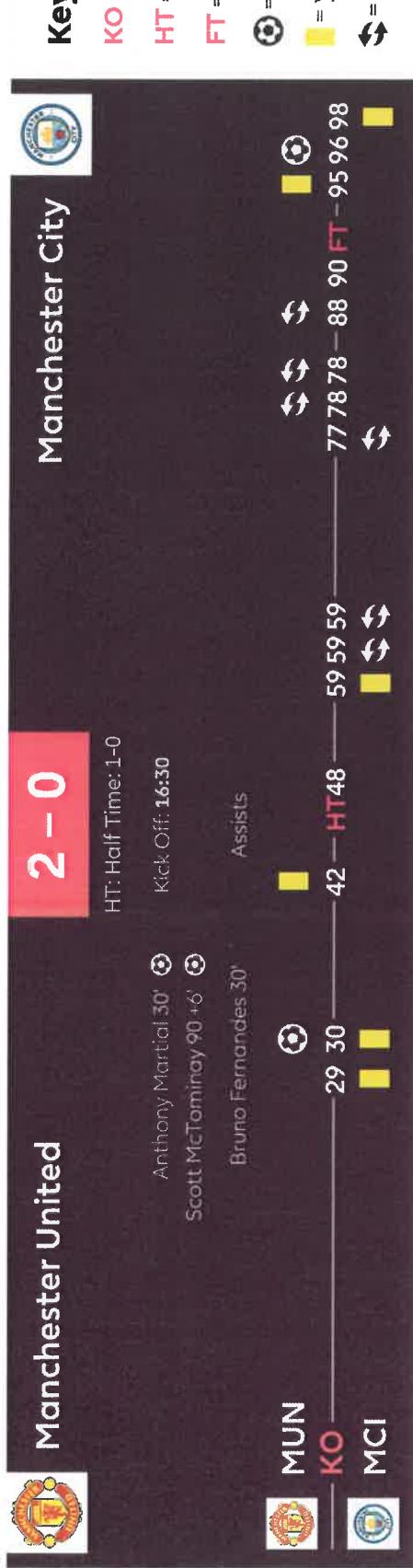
Full-time



Q4.

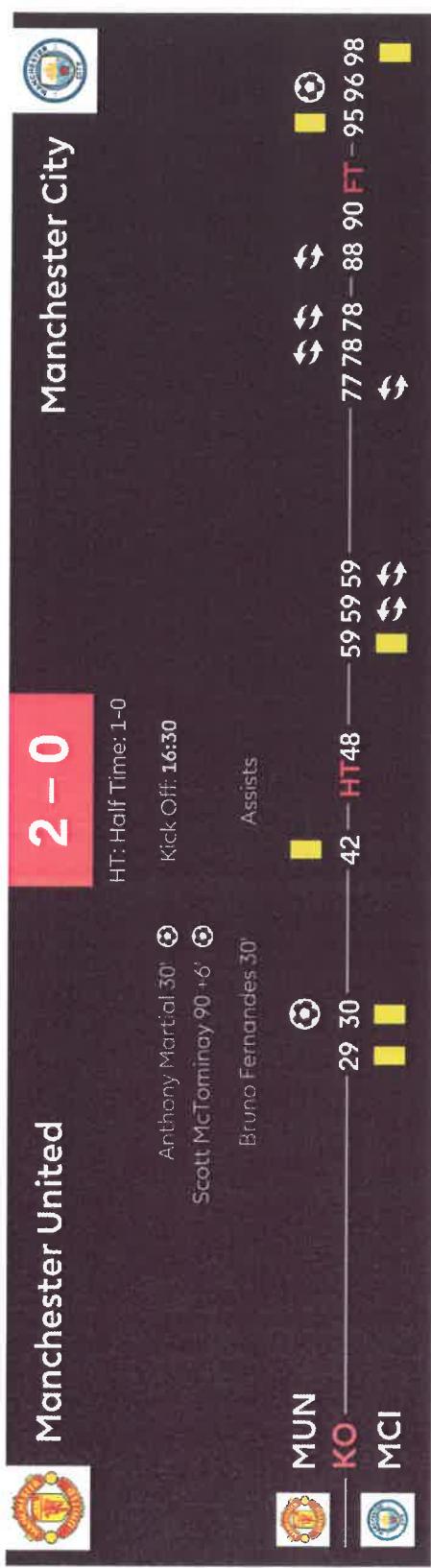
Look at the information about the Manchester United versus Manchester City game.

How much time is there between Manchester United's first and last goal?





How much time passes between the first goal and half time?

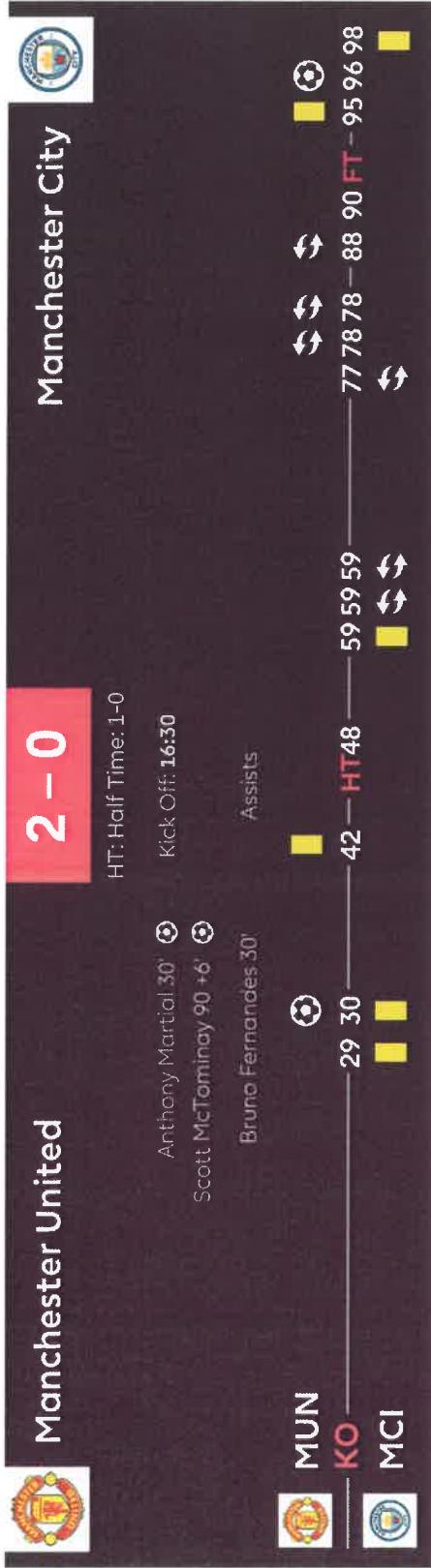


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Q6.

Looking at the timeline, after half-time how much time did the teams have to score a winner before the final whistle?



Q7.

What is the longest interval of time:

- Between kick off and the first goal
- Between the first goal and half-time
- Between half-time and the second goal



Manchester United

2 – 0

HT: Half Time: 1-0

Kick Off: 16:30

Anthony Martial 30'

Scott McTominay 90'+6'

Assists

Bruno Fernandes 30'



Manchester City

Key

KO = kick off

HT = half time

FT = full time

= goal

= yellow card

= substitution



Manchester City



Manchester City

HT: Half Time: 1-0

Kick Off: 16:30

Anthony Martial 30'

Scott McTominay 90'+6'

Assists

Bruno Fernandes 30'

77' 78' 79' 88' 90'

77' 78' 79' 88' 90'



Answers

- **Q1.**
 - a) 12 minutes
 - b) 39 minutes
 - c) 28 minutes
 - d) **40 minutes < 44 minutes,**
so the second interval is greater
- **Q2.** 17 minutes
- **Q3.** 11 minutes
- **Q4.** 66 minutes
- **Q5.** 18 minutes
- **Q6.** 50 minutes
- **Q7.** Between half-time and the second goal
(48 minutes)





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Level 3

Maths resource

Upper KS2: Ages 9-11

Level 3

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Use the blank clock face like a number line to help you work out each answer.

a) What is 12:30pm + 22 minutes?

b) How much time is there between 9:25am and 9:56am?

c) What is 2:45pm + 36 minutes?

d) How much time is there between 3:25pm and 5:15pm?





Q2.

How much time does it take you
to get to the stadium for a match
if you leave at 11:15am and arrive
at 2:35pm?

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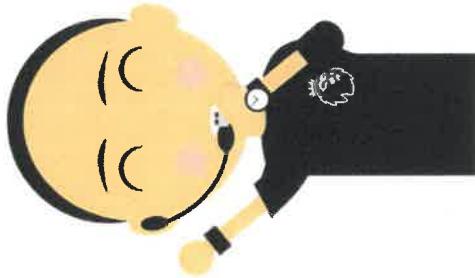




Q3.

A football match starts at 12:30pm.
The first half is 45 minutes long.

When is the half time whistle blown?



Half-time!



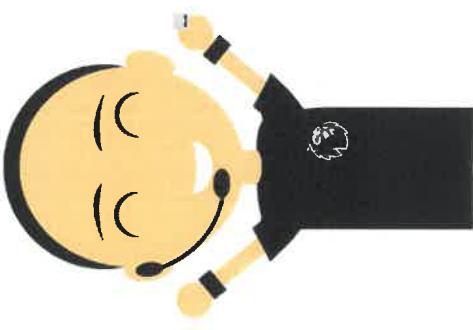
Q4.



Another match kicks off at 3:00pm.

There is an injury in the first half and four minutes are added on.

When is the half time whistle blown?



4 minutes
added time!



Q5.

The half-time whistle for a match is blown at 6:18pm.

There were three minutes of added time.

At what time was kick-off?





Q6.

A match will kick off at 20:00.

Football matches last 90 minutes,
and there is a 10 minute break
between the two halves.

What time is the match due
to finish?





Q7.

A football match started at 3:00pm.

The match was 90 minutes long.

At half-time there was a ten minute break.

Two minutes were added to the first half and four minutes were added to the second half.

What time did the match finish?



Answers

- **Q1.**
 - a) 12:52pm
 - b) 31 minutes
 - c) 3:21pm
 - d) 1 hour 50 minutes
- **Q2.** 3 hours 20 minutes
- **Q3.** 1:15pm
- **Q4.** 3:49pm
- **Q5.** 5:30pm
- **Q6.** 21:40
- **Q7.** 4:46pm

