

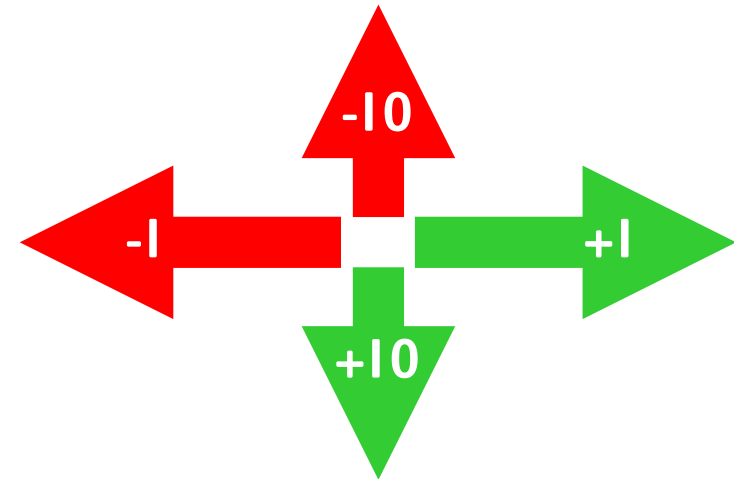


# Maths - Home Learning Year Two

## Measuring Length, Scales and Time

# One Hundred Square

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



# Mental Mathematics

## Mental Mathematics on Walter Tube

The children need to practise their mental mathematics as regularly as possible. Visit our [Walter Tube channel](#) to find the following videos. You can access these on a phone, tablet, computer or even a smart TV. The more the children practise at these the faster and better they will get. Try practising just a few each day.

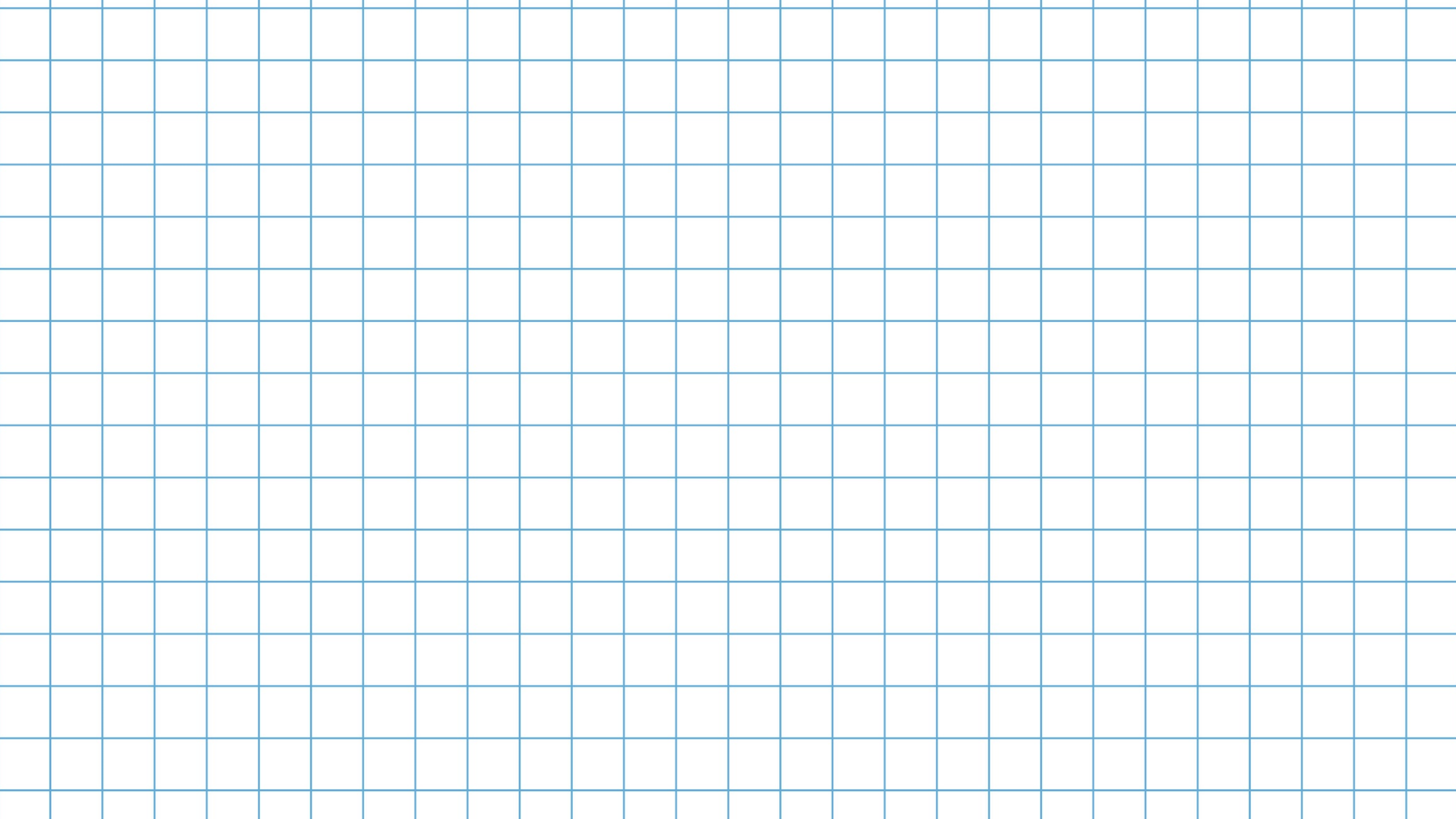
<p>Subitising – instantly see how many things there are without counting.</p> <p><a href="https://www.youtube.com/watch?v=xosFB4sFTK4">https://www.youtube.com/watch?v=xosFB4sFTK4</a> - Numicon</p> <p><a href="https://www.youtube.com/watch?v=anLFEKFAMkk">https://www.youtube.com/watch?v=anLFEKFAMkk</a> - Pound Coins</p> <p><a href="https://www.youtube.com/watch?v=XPwTyBQHI_U">https://www.youtube.com/watch?v=XPwTyBQHI_U</a> - Pennies</p> <p><a href="https://www.youtube.com/watch?v=p62sssP8zdk">https://www.youtube.com/watch?v=p62sssP8zdk</a> - Dots</p> <p><a href="https://www.youtube.com/watch?v=SxwalAc609Q">https://www.youtube.com/watch?v=SxwalAc609Q</a> - Dice</p> <p><a href="https://www.youtube.com/watch?v=7qrs3nhjtkM">https://www.youtube.com/watch?v=7qrs3nhjtkM</a> - Bears</p>	<p>Counting Patterns</p> <p>2s - <a href="https://youtu.be/lmaHD2MSHY">https://youtu.be/lmaHD2MSHY</a></p> <p>3s - <a href="https://youtu.be/hhiFQRg2GoU">https://youtu.be/hhiFQRg2GoU</a></p> <p>5s - <a href="https://youtu.be/kMAzgb9GOVE">https://youtu.be/kMAzgb9GOVE</a></p> <p>10s - <a href="https://youtu.be/6K2Re0AZTiE">https://youtu.be/6K2Re0AZTiE</a></p>
<p>Multiplication Challenge</p> <p>x 2 - <a href="https://youtu.be/bSwTUZvDDNg">https://youtu.be/bSwTUZvDDNg</a></p> <p>x 3 - <a href="https://youtu.be/zuKjxNIxjmQ">https://youtu.be/zuKjxNIxjmQ</a></p> <p>x 5 - <a href="https://youtu.be/xQ4kPIZfCPc">https://youtu.be/xQ4kPIZfCPc</a></p> <p>x 10 - <a href="https://youtu.be/8Z2Pijb-Xvg">https://youtu.be/8Z2Pijb-Xvg</a></p>	<p>Division Challenge</p> <p>÷ 2 - <a href="https://youtu.be/p78FGUAbUU">https://youtu.be/p78FGUAbUU</a></p> <p>÷ 3 - <a href="https://youtu.be/Bnd_TB03gCO">https://youtu.be/Bnd_TB03gCO</a></p> <p>÷ 5 - <a href="https://youtu.be/oXPYkJqLdzU">https://youtu.be/oXPYkJqLdzU</a></p> <p>÷ 10 - <a href="https://youtu.be/hGJhXYgH1RM">https://youtu.be/hGJhXYgH1RM</a></p>

# Other Online Resources

Don't forget there are lots of maths activities on Education City, Purple Mash, The Oak National Academy and BBC Bitesize. We have lots of links and resources on our school website, under Home Learning.

[https://www.walter.wokingham.sch.uk/website/home\\_learning/](https://www.walter.wokingham.sch.uk/website/home_learning/)



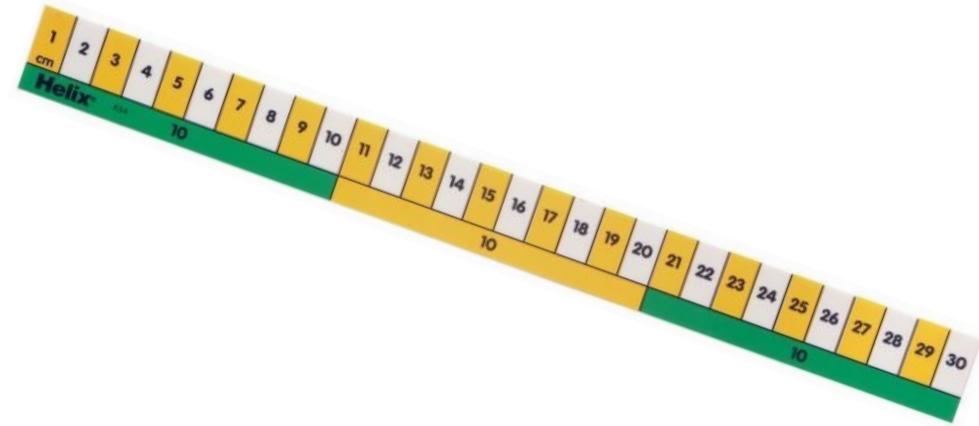


# Lesson 1 – Measuring Length

**What do we  
measure length in?**



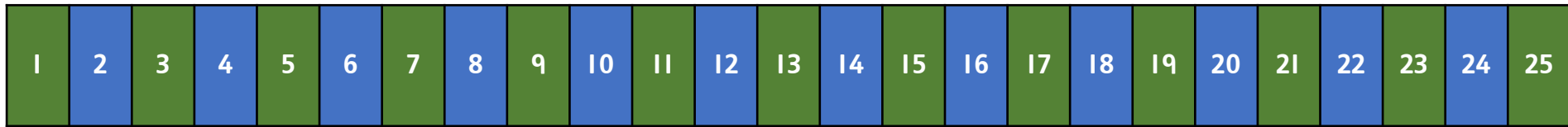
# Lesson 1– Measuring Length



We use centimetres and metres to measure length. We might use a ruler or a measuring tape for this. We write centimetres as **cm** and metres as **m**. There are 100cm in 1m.

# Lesson 1– Measuring Length

You might have a ruler or a measuring tape at home. If you not, you can print the one out below. You will need to change the scale to 100%.





# Lesson 1 - Estimating Length.

Before we measure something, we need to estimate its length. Estimate means to make a **good** guess, based on what we already know. You might be wrong and that's okay. You get better at estimating with time and practise. Use the 1cm scale below to help you estimate the length of the glue stick and the pencil. What length would you estimate each one to be?



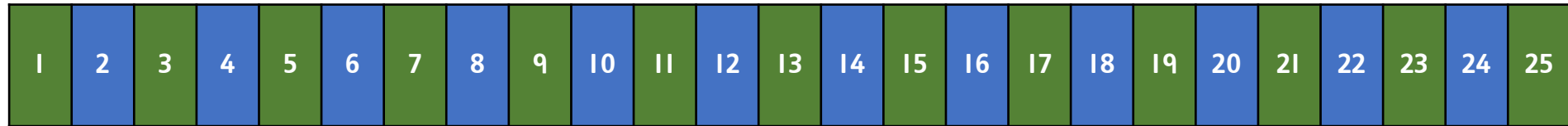
# Lesson 1

## Measuring the Actual Length Using cm.

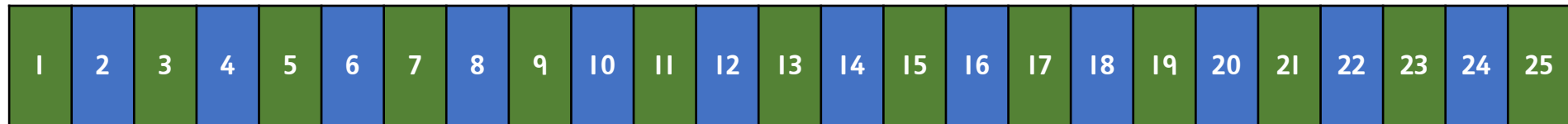
You need to line the ruler up to the edge of the object you are measuring. Just like below. You need to record the length of the object. You can measure to the nearest cm.



10cm



19cm



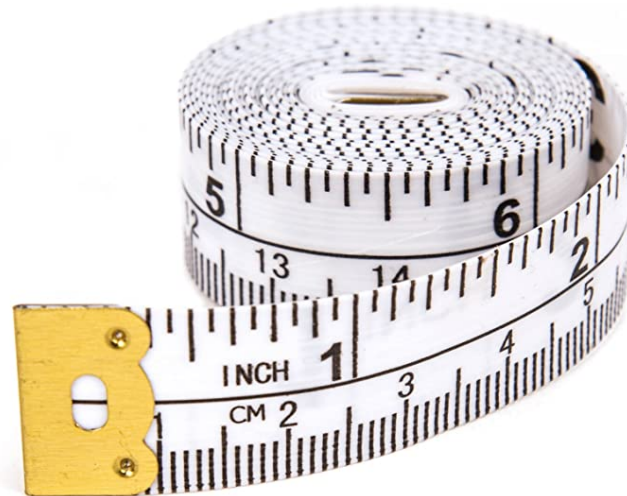
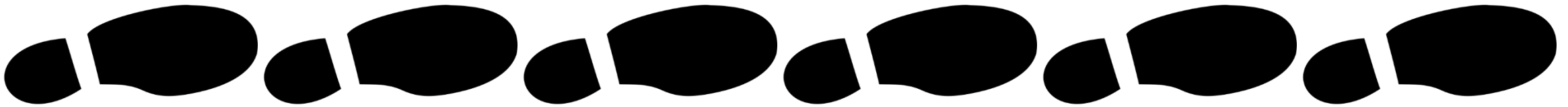
# Lesson 1 - Recording Measurements

Use the table below to record the object, an estimate and the actual length of objects around the home. Use your phonics to help with spelling the objects. Try to choose objects that are shorter than the ruler. You can use the table below or record these on a piece of paper.

[illegible]

# Lesson 2 – Measuring Longer Lengths

Today you have a choice. If you have a metre ruler or a measuring tape at home (check with a grown up first, as some can be made from metal which are not suitable for children). If you do not have a measuring tape or then you can use your footsteps.



# Lesson 2 – Measuring Longer Lengths

We can use metres or our footsteps to measure greater lengths. We might do this if we are measuring a garden, a room or a piece of furniture. You don't have to measure things in your home; you might want to measure some things outside whilst on a walk. You could investigate how many footsteps it is until you reach a park, to school or a tree you pass often. Don't forget to estimate first and then measure using either metres or your footsteps.



When measuring, we need to be as accurate as possible. Make sure you measure footstep to footstep by lining up each foot behind the other. Imagine you are walking on a tightrope or a narrow piece of wood.



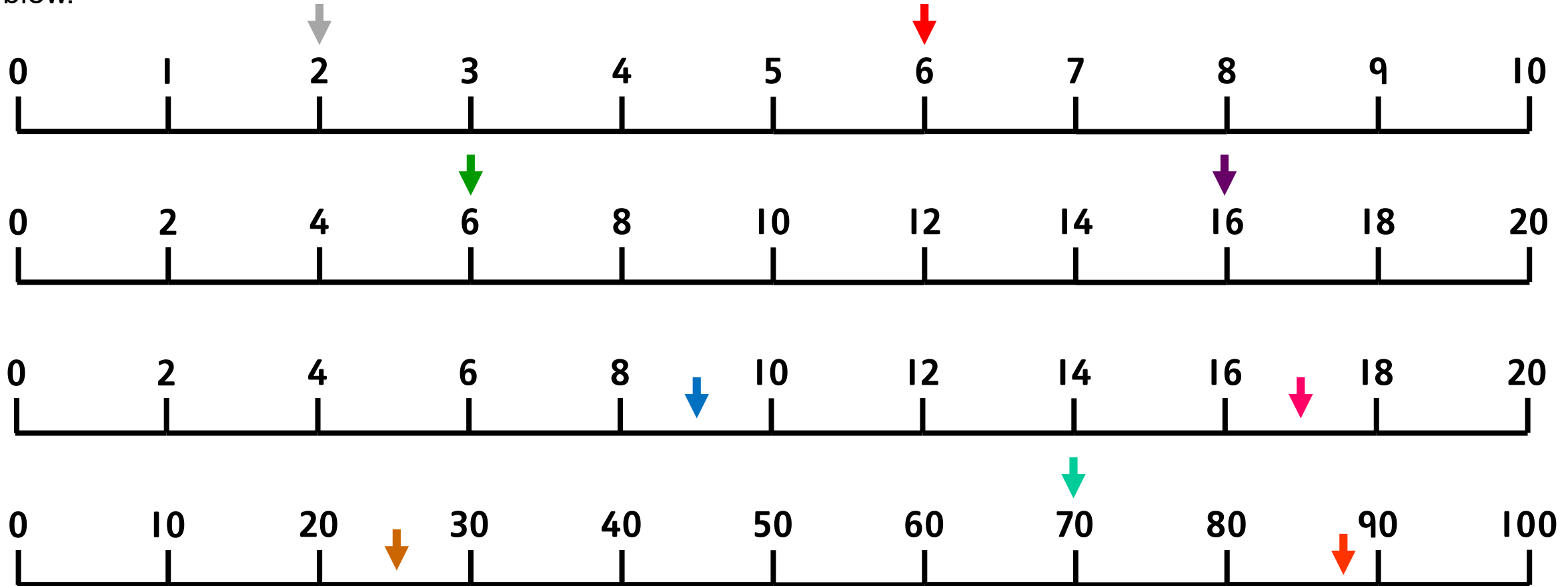
# Lesson 2 - Recording Measurements

Use the table below to record the object, an estimate and the actual length of objects around the home. Use your phonics to help with spelling the objects. Try to choose objects that are shorter than the ruler. You can use the table below or record these on a piece of paper.

[illegible]

# Lesson 3 - Measuring Different Scales

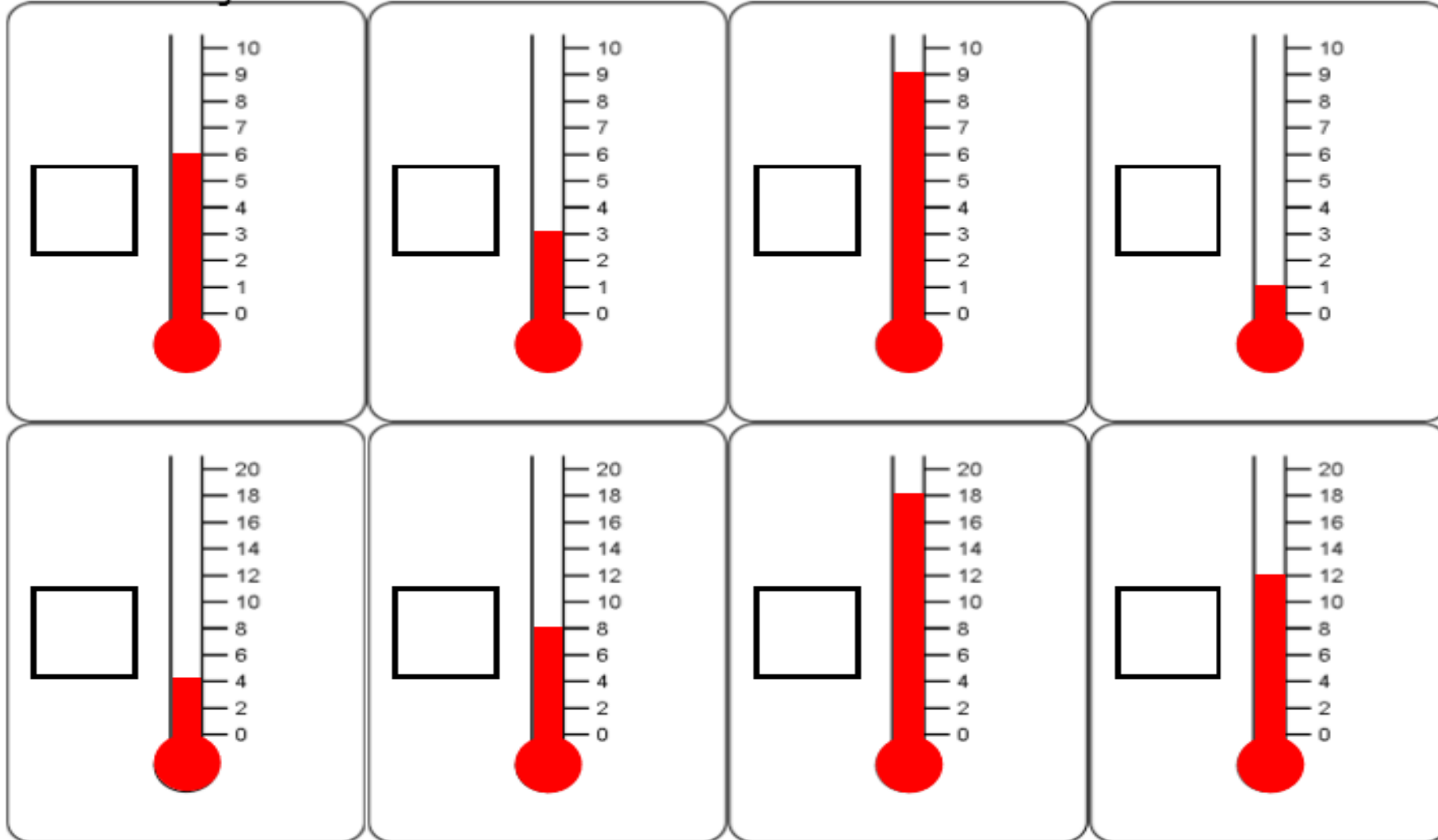
Often, when we are measuring various things, such as temperature or mass, we use scales. A scale is basically a number line. Sometimes, not all the numbers are shown on a scale and we need to look carefully to see what the number should be. See if you can work out where the arrows are pointing on each scale below.





# Lesson 3 - Thermometers

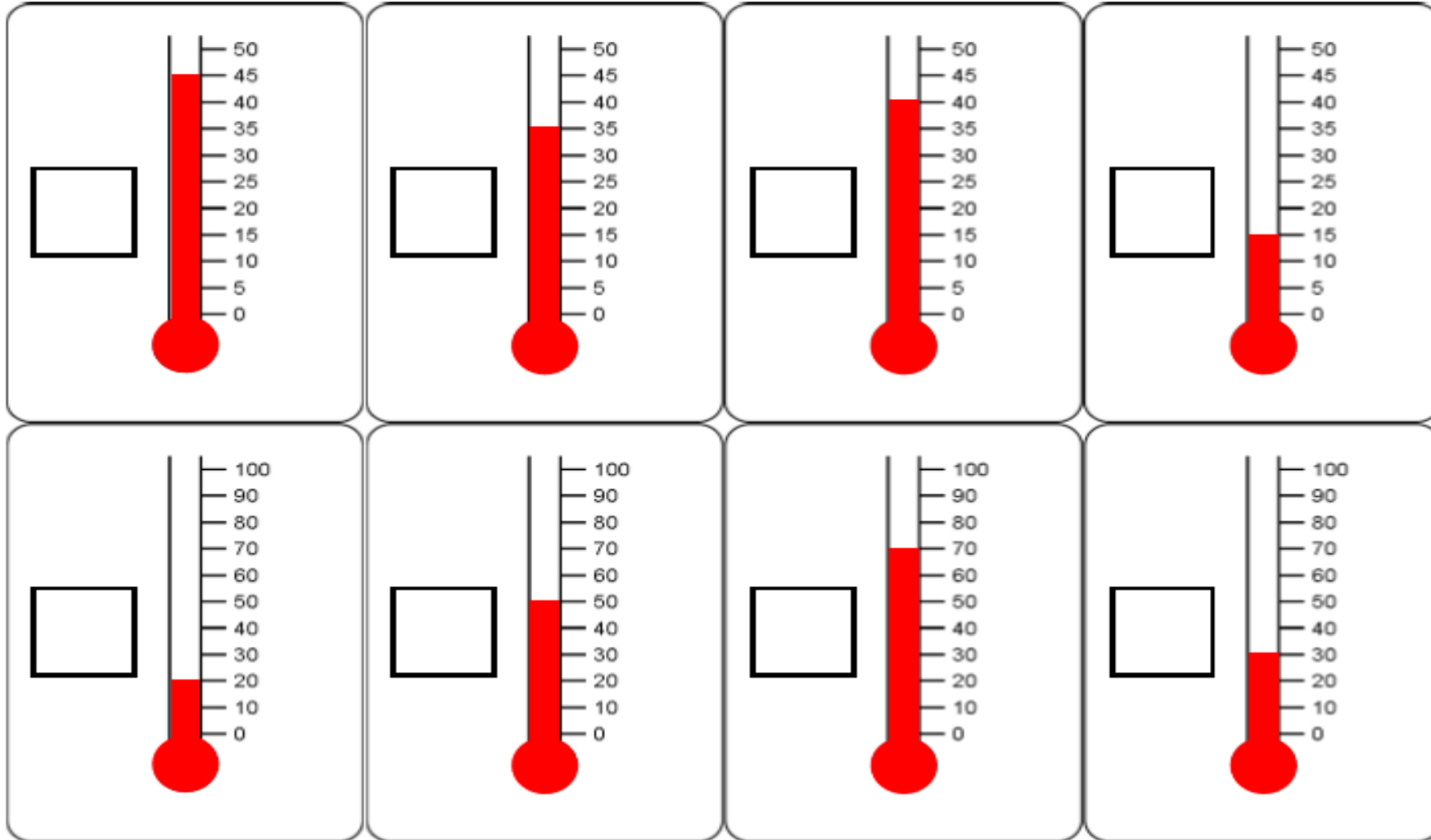
Thermometers are used to measure temperatures. We measure temperature in degrees and use a unit of measure called Celsius (c) in the UK; however, many countries use Fahrenheit (f). Can you read the temperature of each thermometer below.





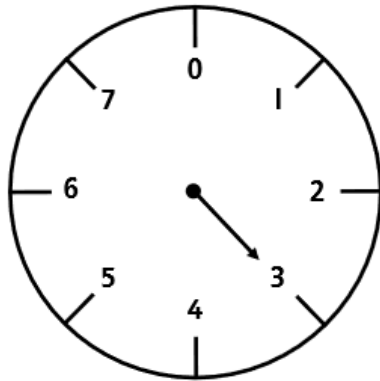
# Lesson 3 - Thermometers

Thermometers are used to measure temperatures. We measure temperature in degrees and use a unit of measure called Celsius (c) in the UK; however, many countries use Fahrenheit (f). Can you read the temperature of each thermometer below.

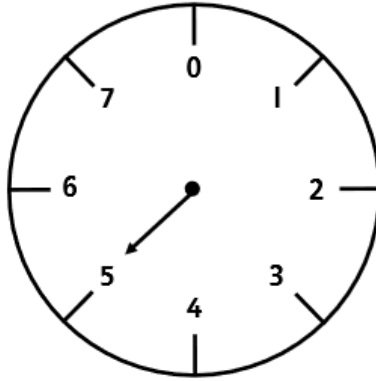


# Lesson 3 - Round Scales

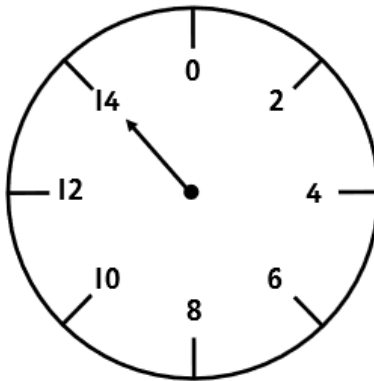
We might see scales that are round when we are weighing out ingredients for baking. We call this measuring the mass of something. In the UK the official unit of measure is a gram (g) or a kilogram (kg). There are 1000g in 1kg. Sometimes, you might see mass being measured in pounds and ounces. Can you read the scales below?



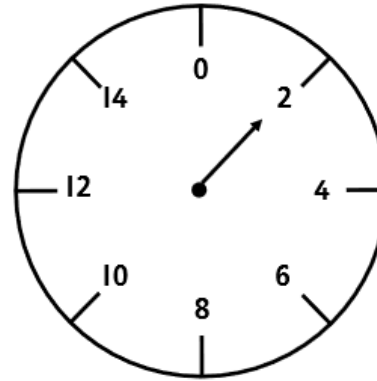
kg



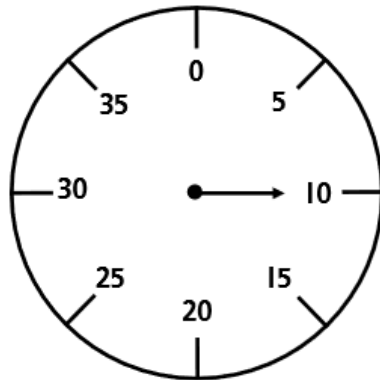
kg



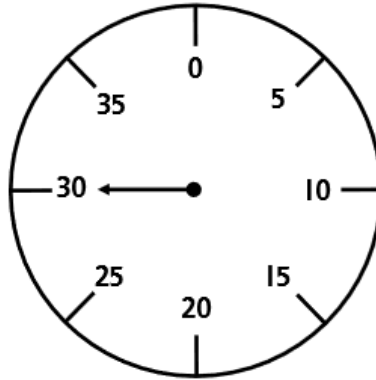
kg



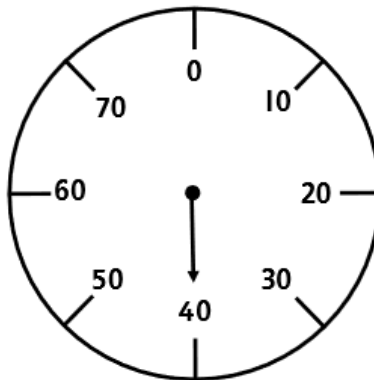
kg



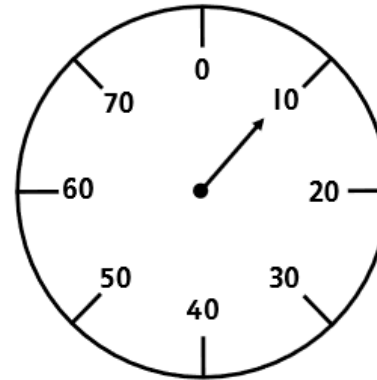
g



g



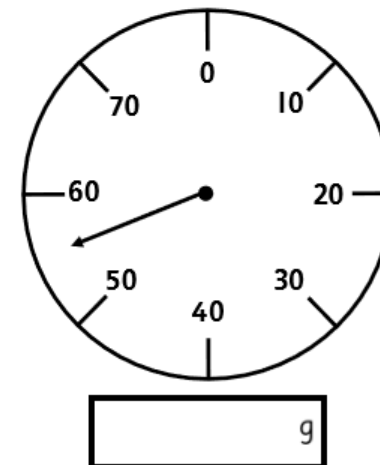
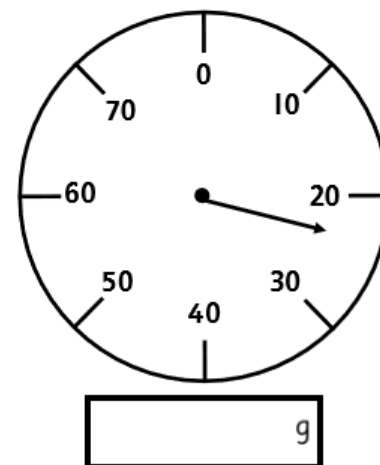
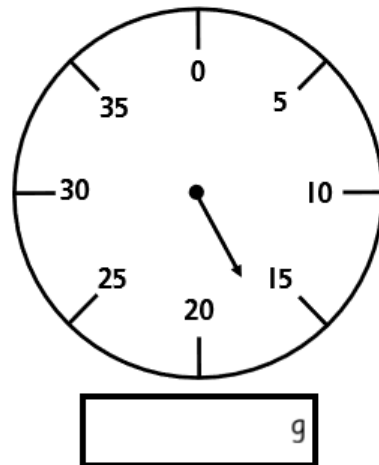
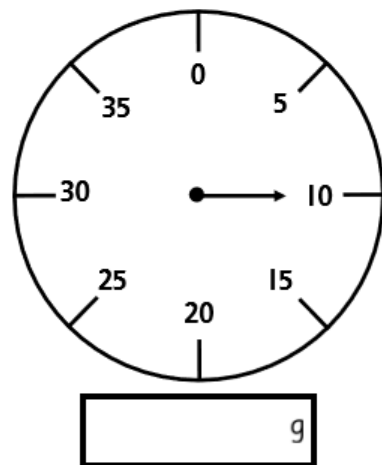
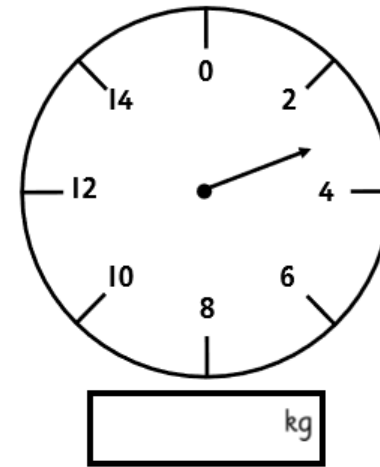
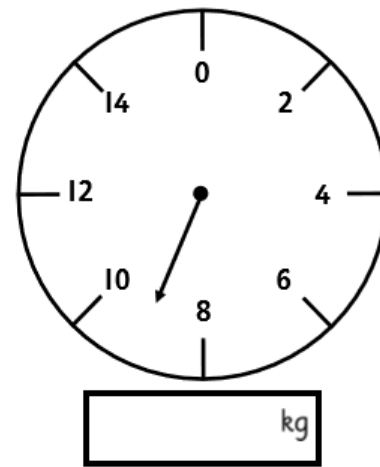
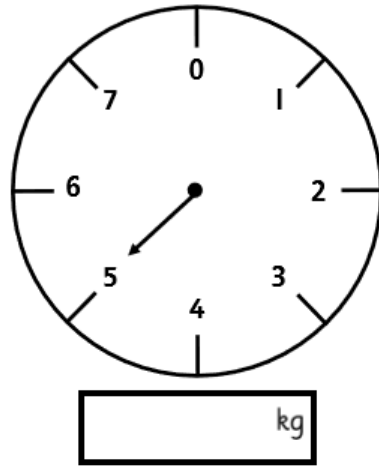
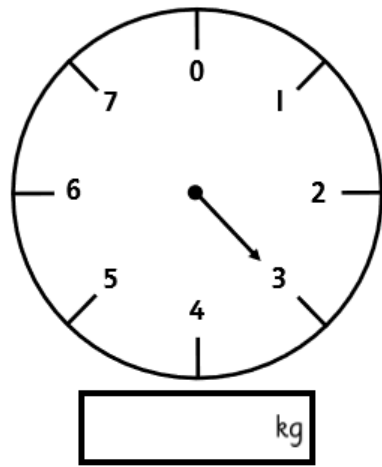
g



g

# Lesson 3 - More Round Scales

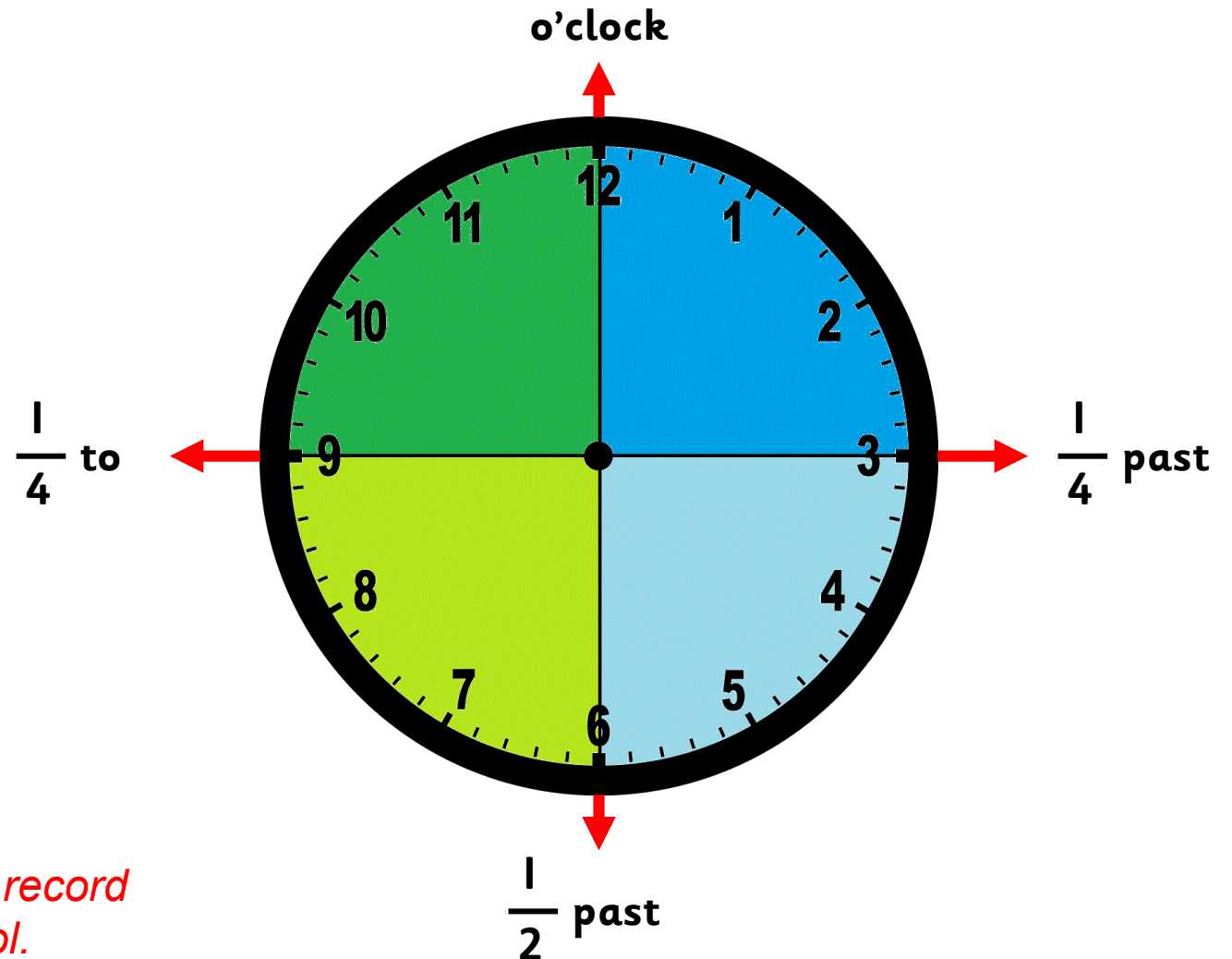
Try the ones below. These are more challenging, as the arrow might not point to a number. Think what the number could be. Look carefully at the scale. If it is half way, think what would come between the two numbers. You might want an adult to help you with these ones.



# Lesson 4 - Telling the Time 15mins intervals

We measure time using seconds, minutes and hours on a clock. We have practised using a clock in school and telling the time. However, here is a reminder of 15 minute intervals.

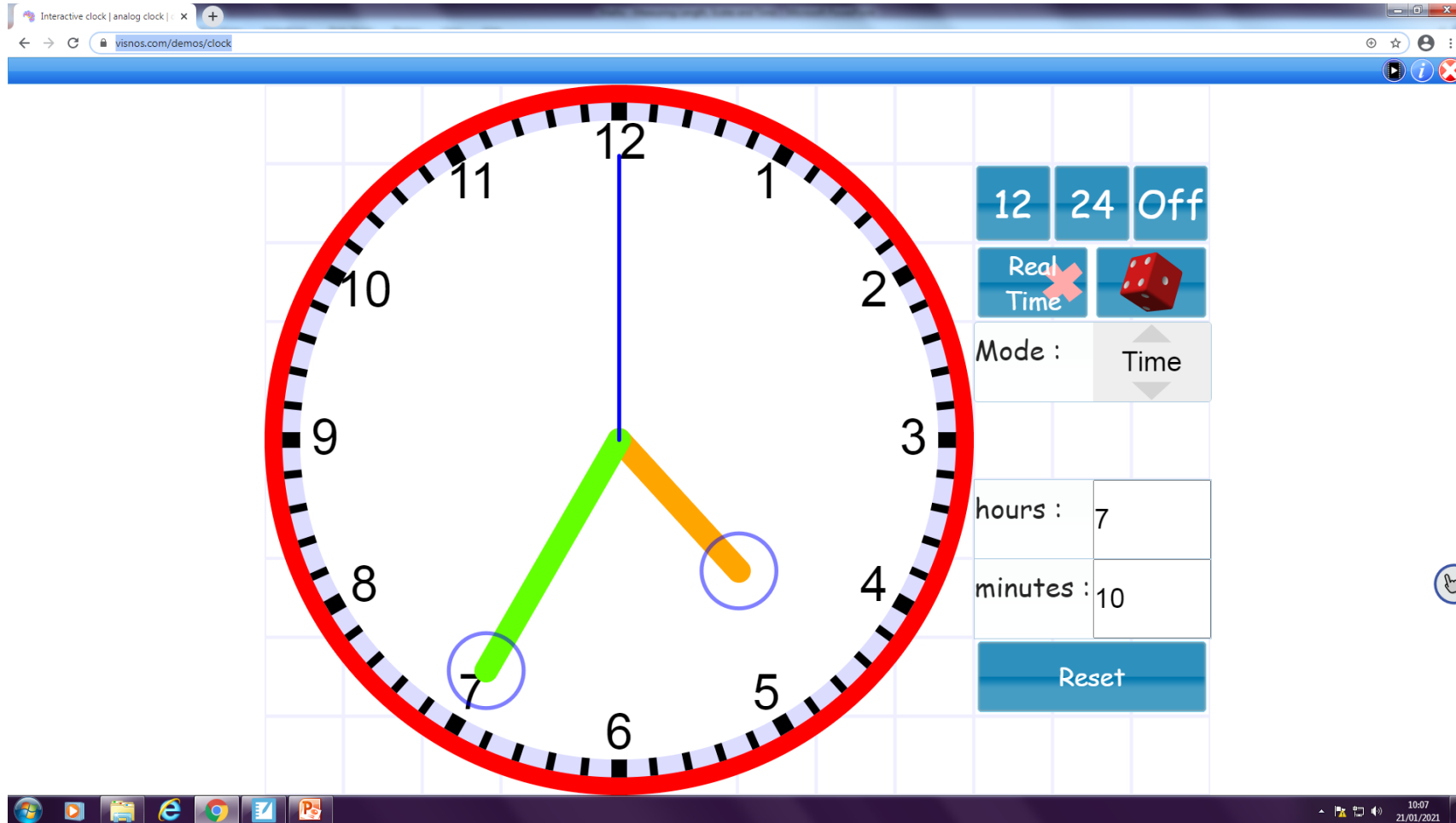
1. Look at the minute hand first.
2. Decide if it is past or to the hour.
3. Is it on the 3 for quarter past, on the 6 for half past, on the 9 for quarter past or the 12 o'clock?
4. Look where the hour hand is.



*NB: Parents, in Year Two we do not learn to tell or record the time in digital. That comes later in junior school.*

# Lesson 4 - Really Useful Clock Tool

I have found this really useful interactive clock website. I use it in my introduction videos on Walter Tube.



<https://www.visnos.com/demos/clock>

# Lesson 4 - Telling the Time

Record the time for each clock. Is it o'clock, quarter past, half past or quarter to. You can print off the sheet, or write the times on a separate piece of paper.

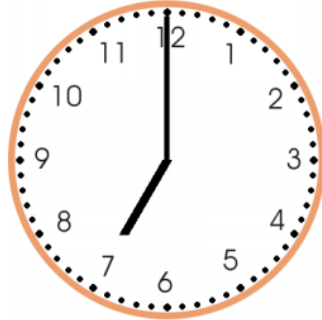
o'clock

$\frac{1}{4}$  past

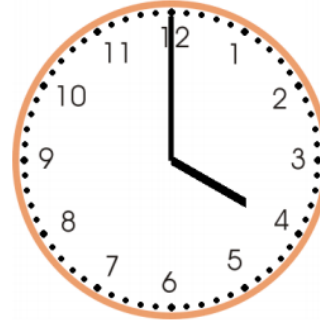
$\frac{1}{2}$  past

$\frac{1}{4}$  to

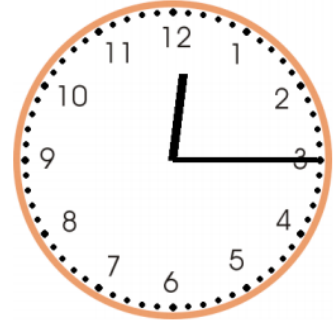
1 a.



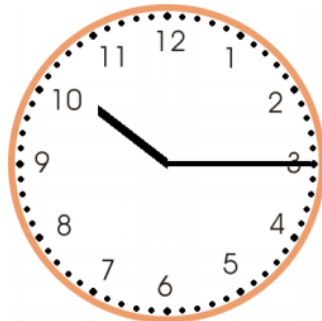
1 b.



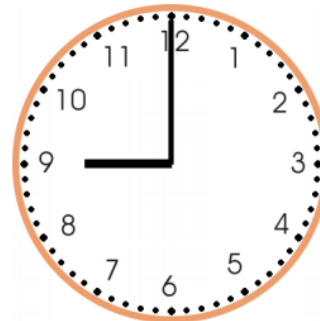
1 c.



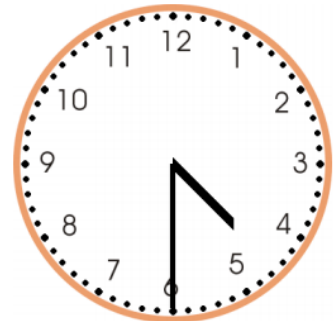
2 a.



2 b.



2 c.



# Lesson 4 - Telling the Time

Record the time for each clock. Is it o'clock, quarter past, half past or quarter to. You can print off the sheet, or write the times on a separate piece of paper.

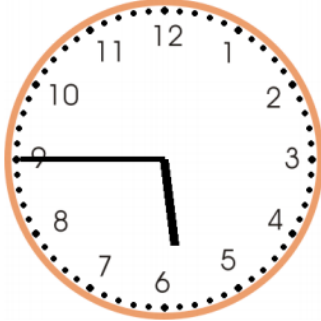
**o'clock**

**$\frac{1}{4}$  past**

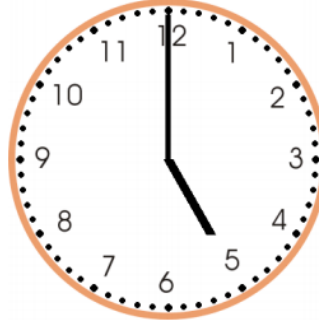
**$\frac{1}{2}$  past**

**$\frac{1}{4}$  to**

**1 a.**



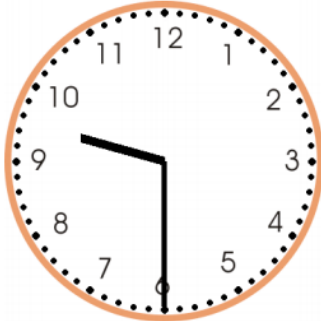
**1 b.**



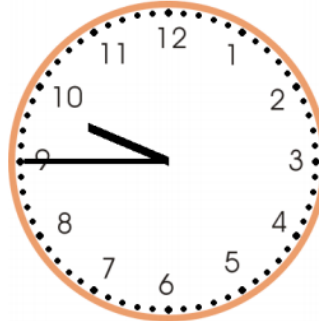
**1 c.**



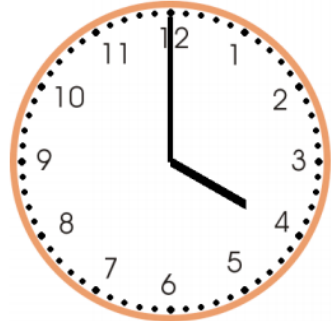
**2 a.**



**2 b.**



**2 c.**



# Lesson 5 - Telling the Time

I have put together two lesson packs for Friday. If your child found yesterday's work challenging they should complete the Friday lessons that are in 15minute intervals. If they found it easy and need more challenge, then try telling the time in 5mins intervals.

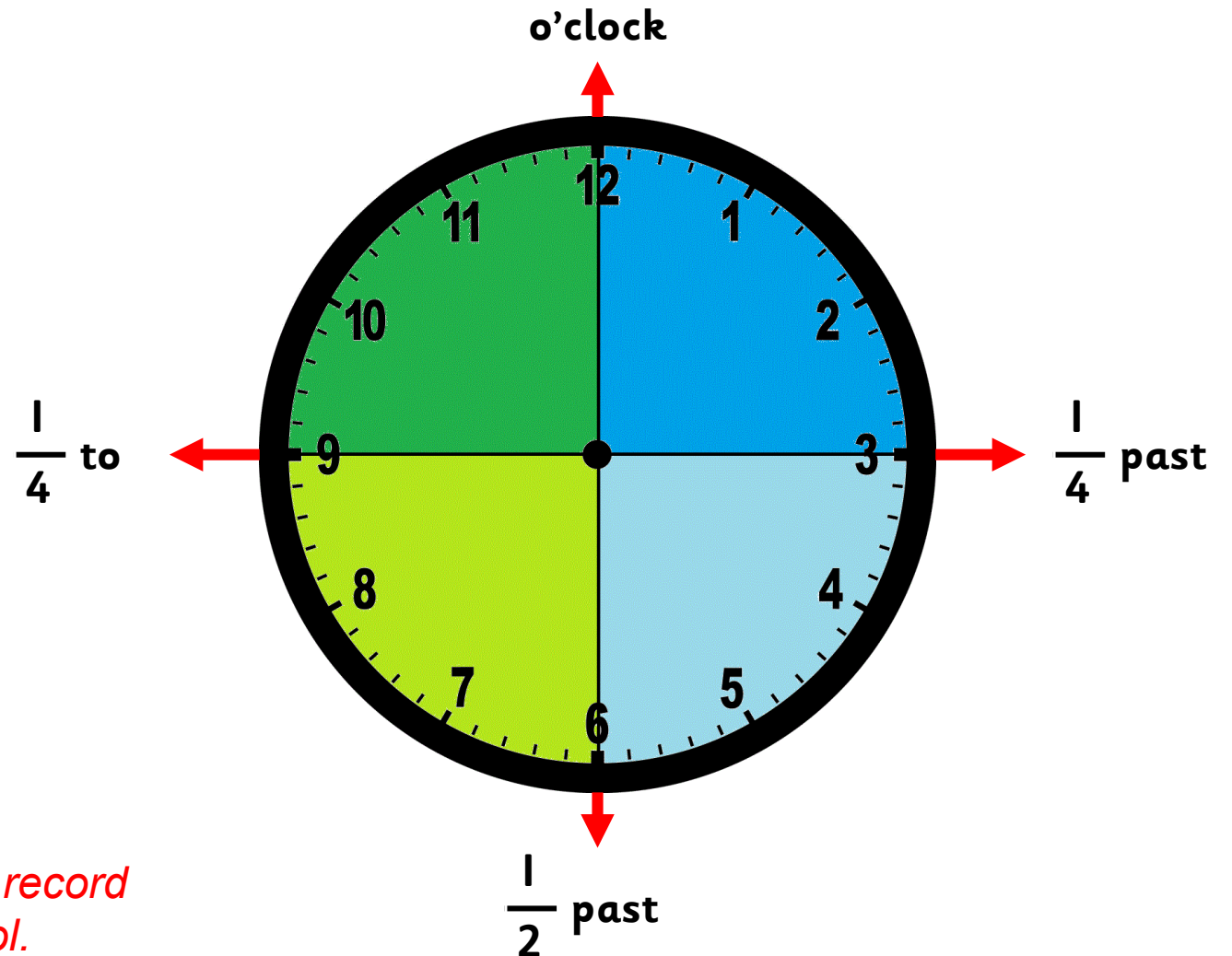




# Lesson 5 - Telling the Time 15mins intervals

We measure time using seconds, minutes and hours on a clock. We have practised using a clock in school and telling the time. However, here is a reminder of 15 minute intervals.

1. Look at the minute hand first.
2. Decide if it is past or to the hour.
3. Is it on the 3 for quarter past, on the 6 for half past, on the 9 for quarter past or the 12 o'clock?
4. Look where the hour hand is.



*NB: Parents, in Year Two we do not learn to tell or record the time in digital. That comes later in junior school.*

# Lesson 5 - Telling the Time 15mins intervals

Record the time for each clock. Is it o'clock, quarter past, half past or quarter to. You can print off the sheet, or write the times on a separate piece of paper.

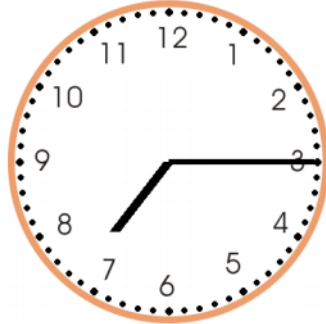
o'clock

$\frac{1}{4}$  past

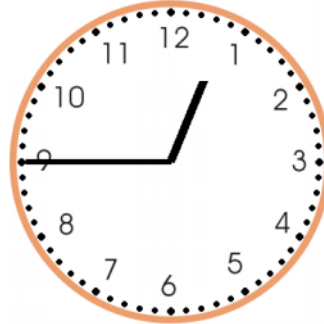
$\frac{1}{2}$  past

$\frac{1}{4}$  to

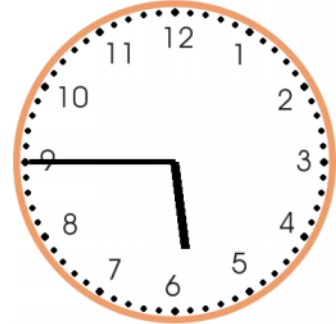
1 a.



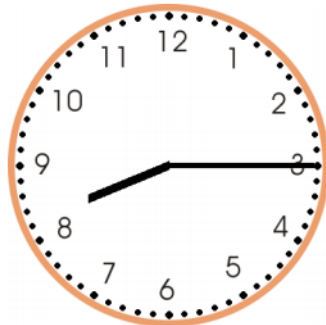
1 b.



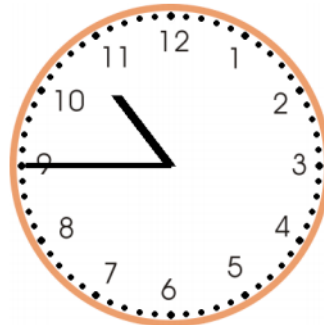
1 c.



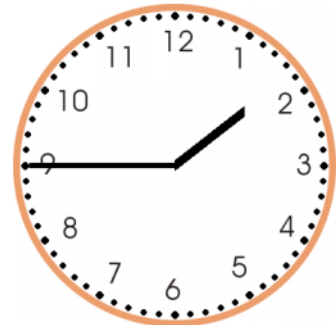
2 a.



2 b.



2 c.



# Lesson 5 - Telling the Time 15mins intervals

Record the time for each clock. Is it o'clock, quarter past, half past or quarter to. You can print off the sheet, or write the times on a separate piece of paper.

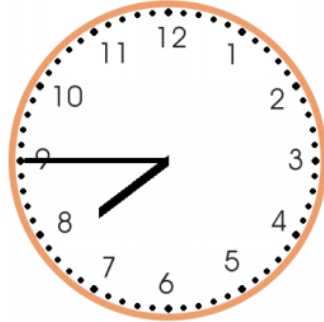
o'clock

$\frac{1}{4}$  past

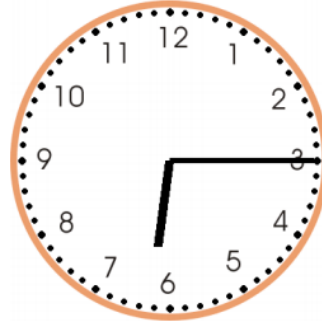
$\frac{1}{2}$  past

$\frac{1}{4}$  to

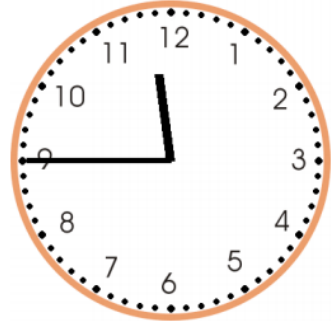
1 a.



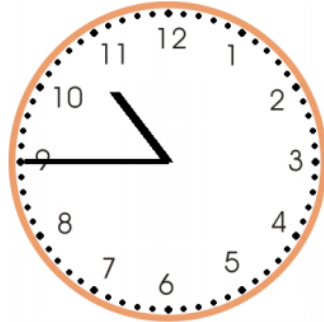
1 b.



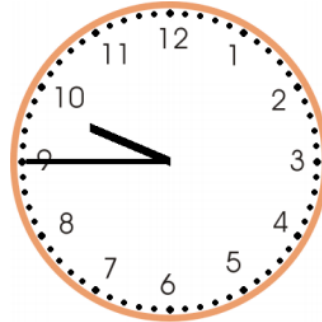
1 c.



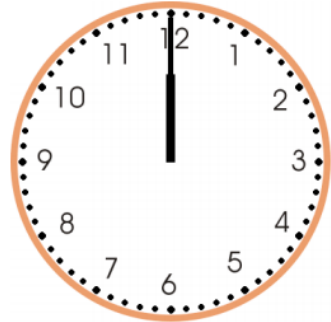
2 a.



2 b.



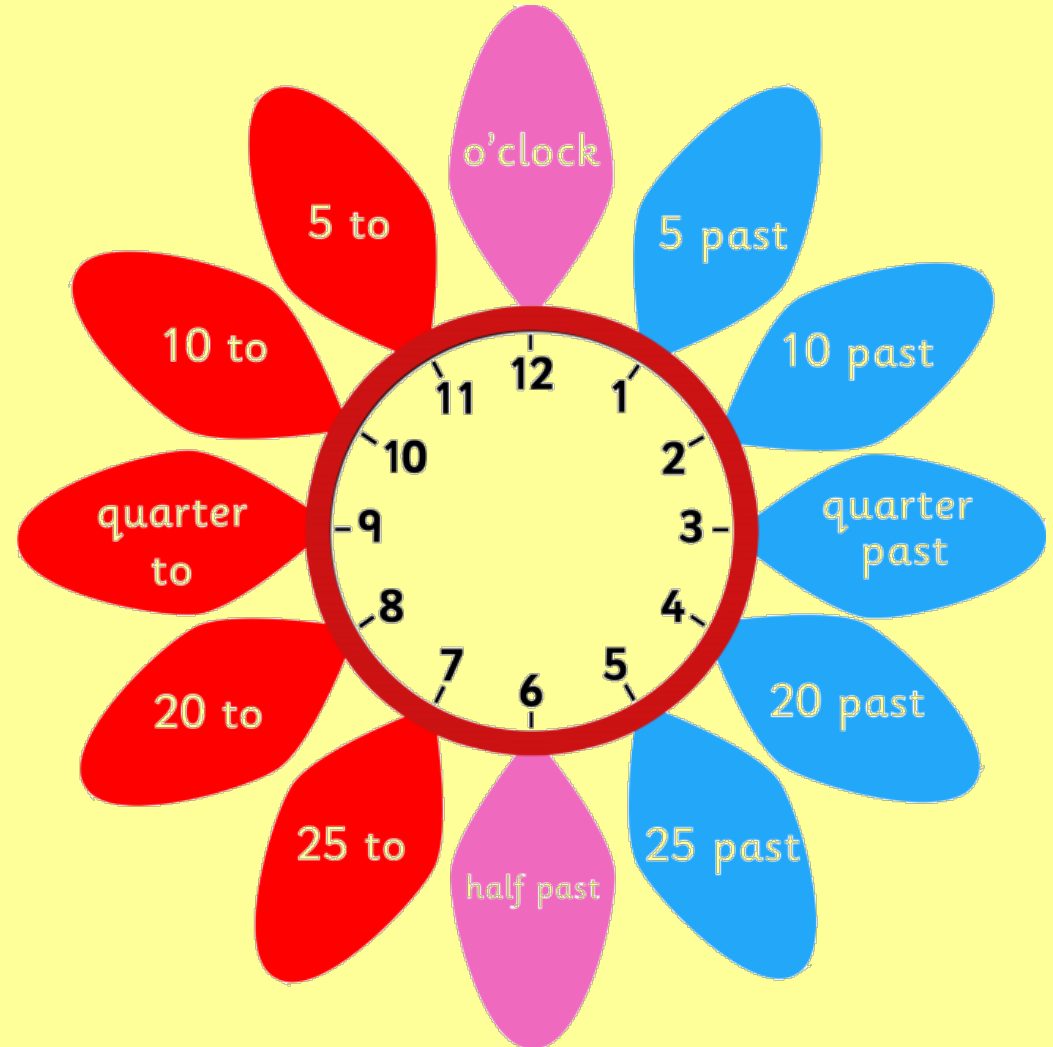
2 c.



# Lesson 5 - Telling the Time 5mins intervals

We measure time using seconds, minutes and hours on a clock. We have practised using a clock in school and telling the time. In Year 2, the children have to learn to tell the time in 5min intervals. Use the time flower below to help you with this. You have to look and check if the time is to or past the hour.

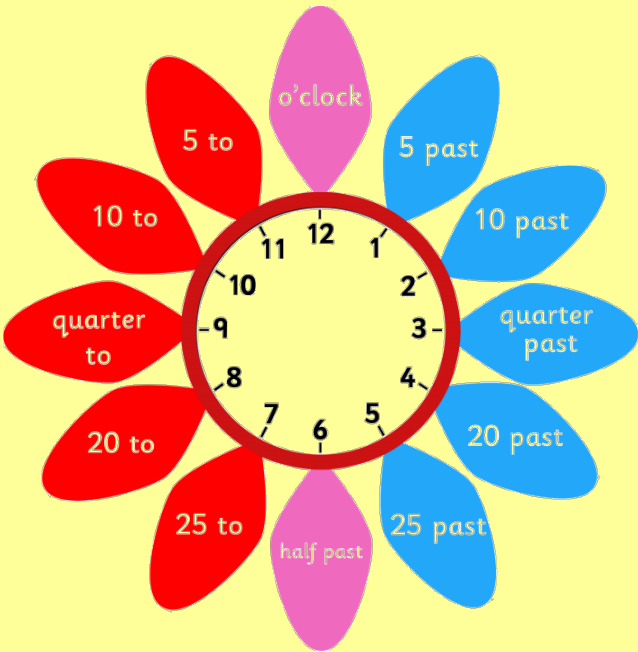
1. Look at the minute hand first.
2. Decide if it is past or to.
3. Look at the flower petal for the correct time.
4. Look at the hour hands.



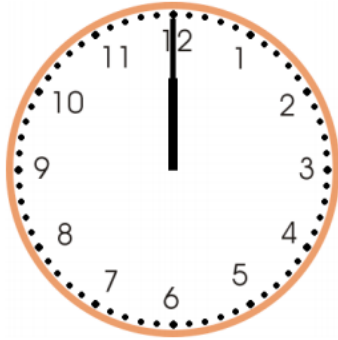
*NB: Parents, if this is too challenging there are more clocks for telling the time in 15 minute intervals.*

# Lesson 5 - Telling the Time 5mins intervals

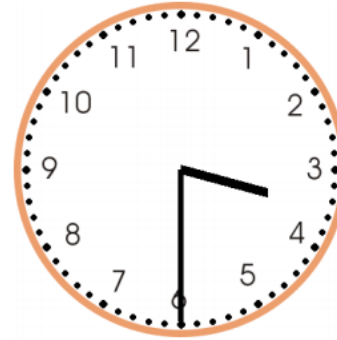
Record the time for each clock. Use the flower clock to help you with this.



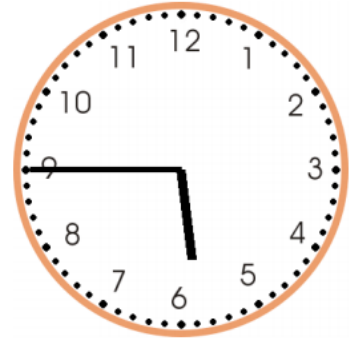
1 a.



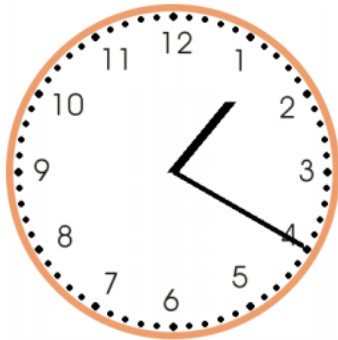
1 b.



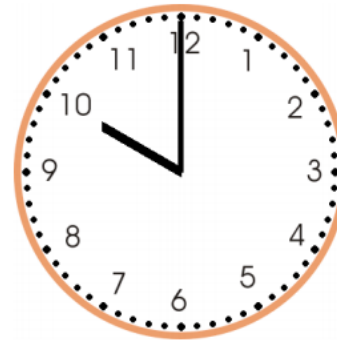
1 c.



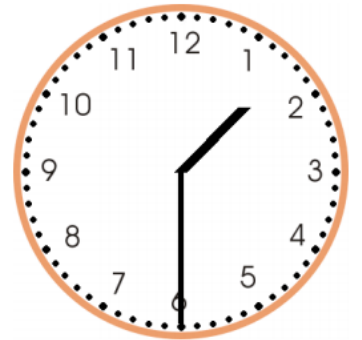
2 a.



2 b.

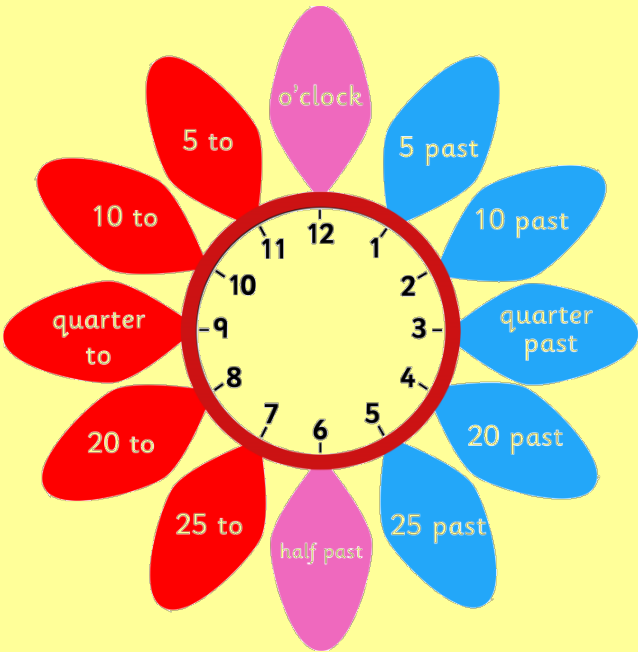


2 c.



# Lesson 5 - Telling the Time 5mins intervals

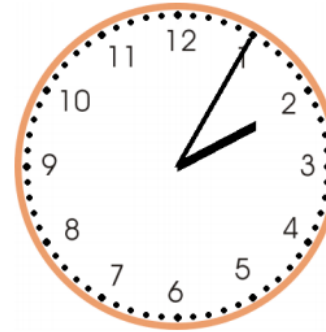
Record the time for each clock. Use the flower clock to help you with this.



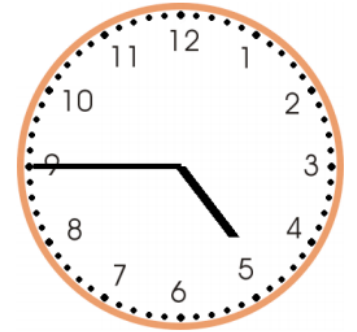
1 a.



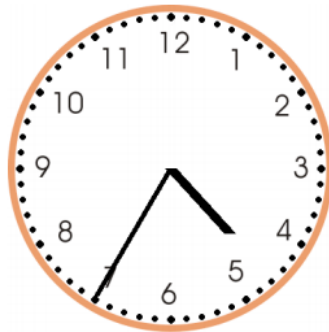
1 b.



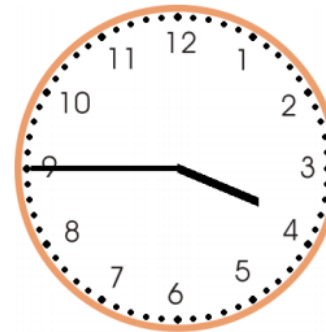
1 c.



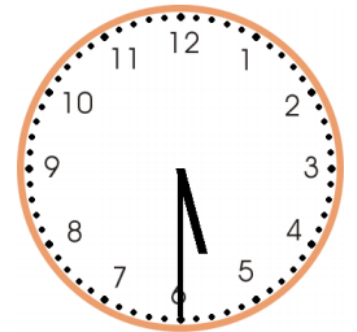
2 a.



2 b.

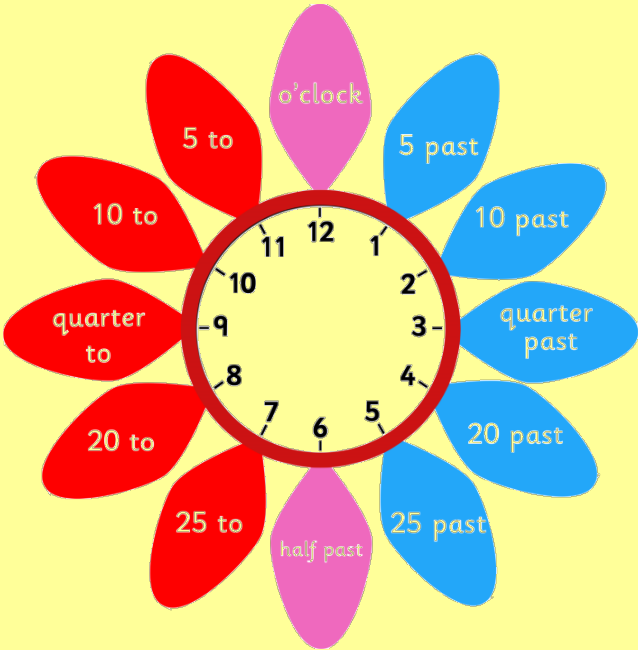


2 c.

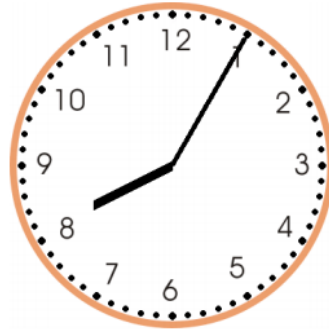


# Lesson 5 - Telling the Time 5mins intervals

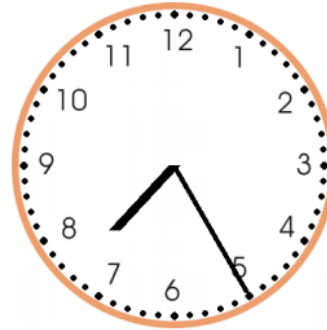
Record the time for each clock. Use the flower clock to help you with this.



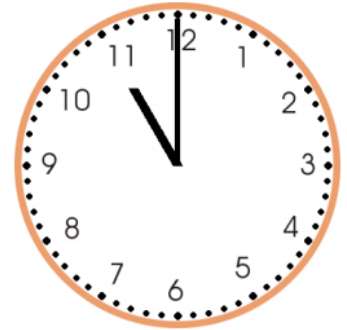
1 a.



1 b.



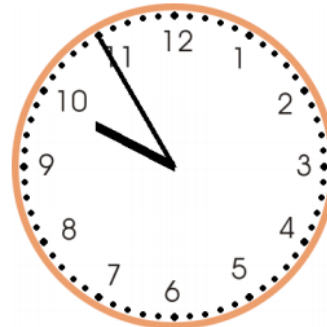
1 c.



2 a.



2 b.



2 c.

