

Home Learning Year 2 Maths Workbook Pack – Measures Answers

Reading Scales



Carl

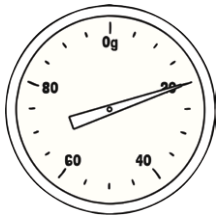


Aneesa



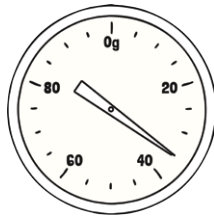
Amelia

1. Carl, Aneesa and Amelia are racing at the fair. How fast is each of them driving?



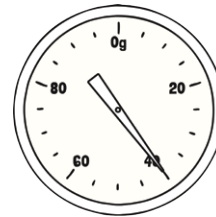
Carl

20



Aneesa

35



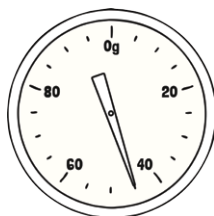
Amelia

40

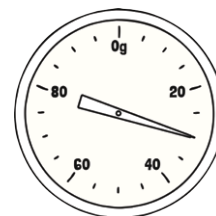
2. Carl is driving faster than Aneesa. Amelia is driving more slowly than Aneesa. Can you match them to their speedometers?



Carl



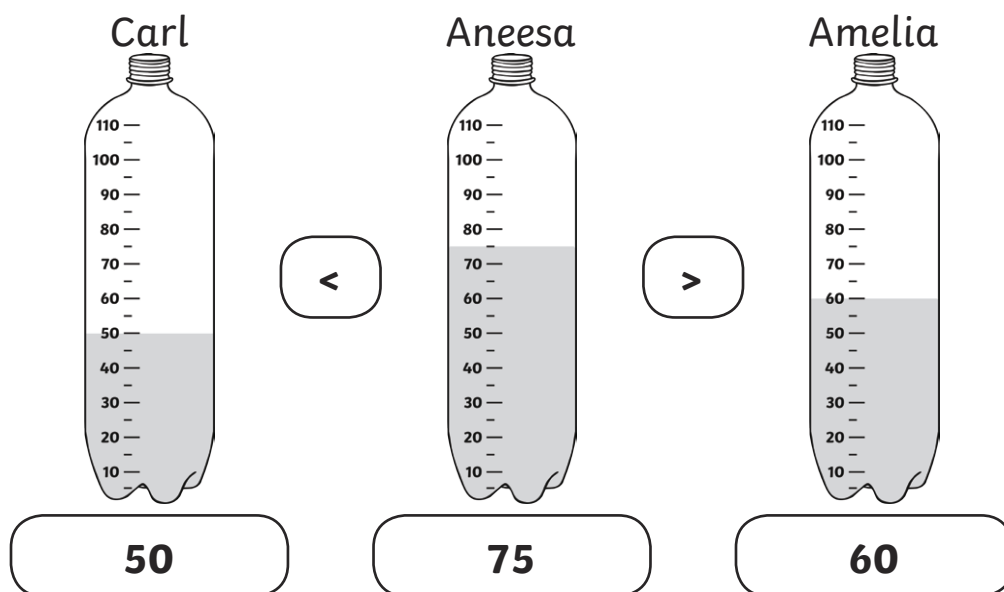
Aneesa



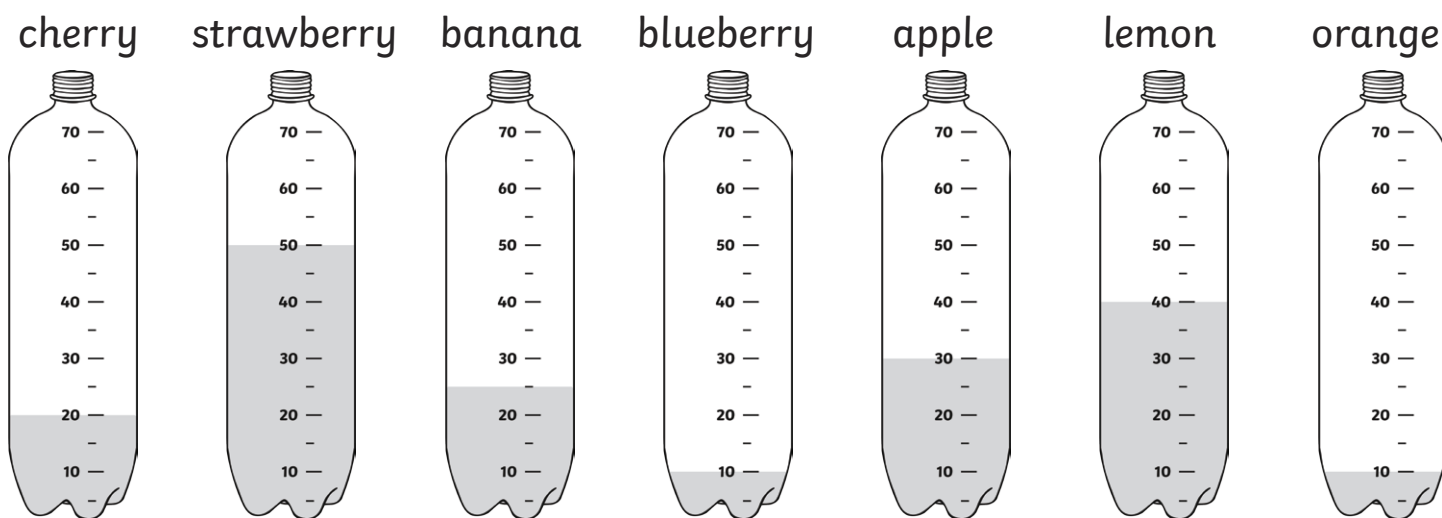
Amelia

Reading Scales Answers

3. Carl, Aneesa and Amelia stop for a drink. This is how much they each have left in their bottles. Put $<$ $>$ or $=$ between the bottles and write under each bottle how much it contains.



4. Carl, Aneesa and Amelia each have some bottles with different flavours:



They each mix together 3 different flavours to make their own fruit drink.
Carl isn't keen on fruit so he makes the smallest possible drink.
Aneesa loves fruit so she makes the largest possible drink.
Amelia makes a drink that is exactly 70ml.
Which fruits did they choose?

Carl: **cherry, blueberry and orange**

Aneesa: **strawberry, apple and lemon**

Amelia: **lemon, cherry and orange OR lemon, cherry and blueberry**

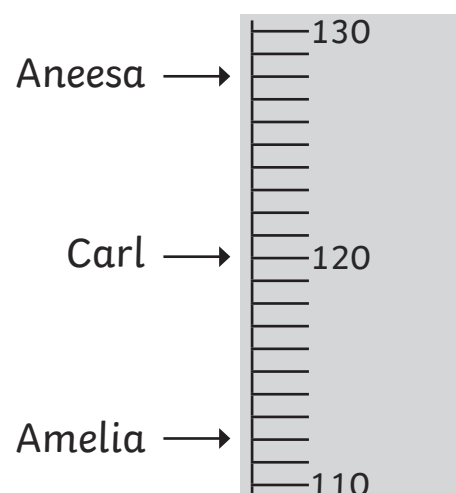
Reading Scales **Answers**

5. There is a minimum height of 120cm for the 'Mummy Attack' ride. Who is tall enough to go on the ride?

Carl and Aneesa

How much taller does Amelia need to be to go on the ride?

Amelia needs to be 8cm taller.



6. The children place a thermometer in 3 different rooms in the house. Write the temperatures in the rooms.



14° c



23° c

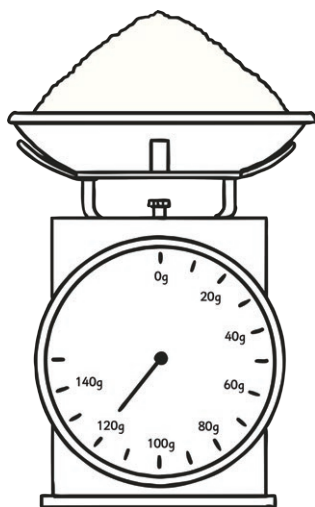


29° c

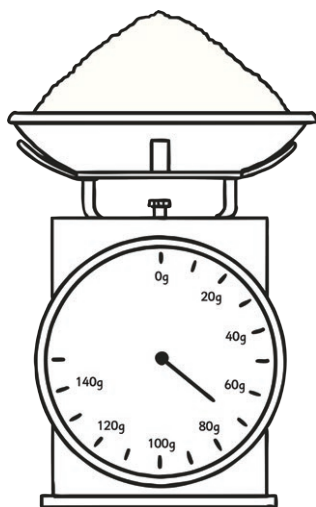


Reading Scales **Answers**

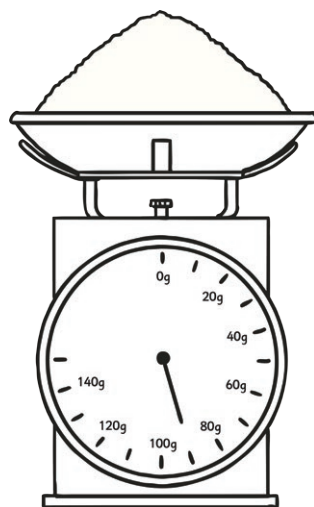
7. They decide to do some baking. What questions could you ask your friend about what you see on the scales?



Carl



Aneesa



Amelia

Child's own responses.

Compare and Order Lengths and Mass Answers

1. Which is the longest animal?

anaconda

2. Which is the tallest animal?

bison

3. Which is the shortest animal?

anaconda

4. Which is the heaviest animal?

hippo

5. Which is the lightest animal?

cheetah

6. Which are the three fastest animals?

cheetah, horse, lion

7. Which animal has the lowest number in 2 separate categories?

anaconda

Compare and Order Lengths and Mass **Answers**

8. Can you put the animals in order from the shortest to the tallest?

anaconda
wolf
cheetah
pig
lion
hippo
horse
bison

↑ Shortest
 ↓ Tallest



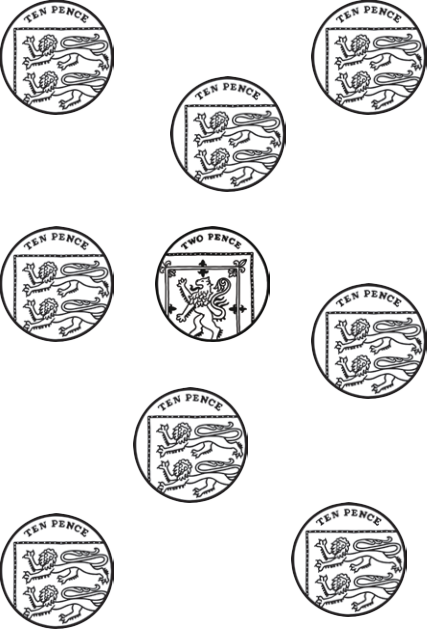

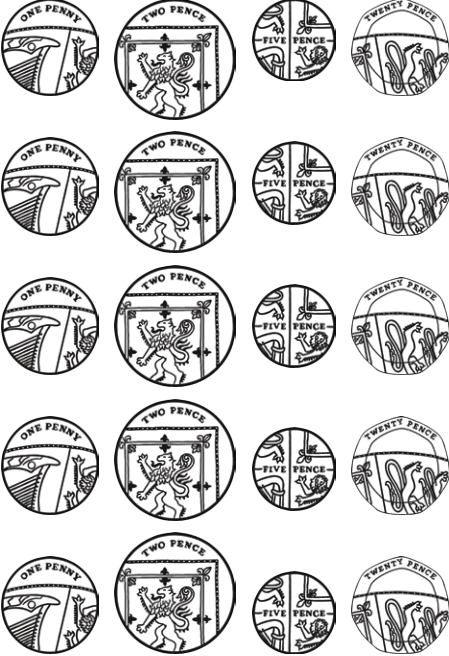

9. Use < or > to show which card would win.

Top Speed			Height		
Lion 80km/h	>	Anaconda 32km/h	Bison	>	Wolf
Weight			Length		
Hippo	>	Lion	Wolf	<	Horse
Height			Top Speed		
Pig	>	Cheetah	Anaconda	>	Hippo

Using Pounds and Pence







Answers

1. What do the coins in each box add up to? Use £ or p for each total.

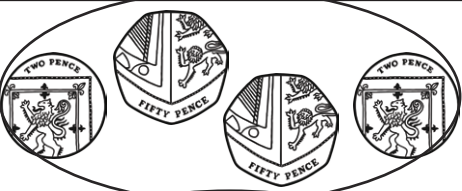
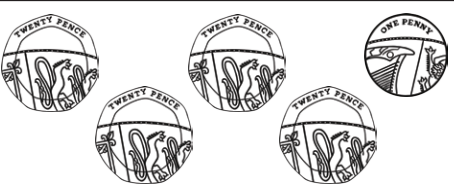
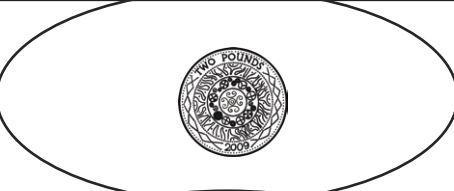



		
12p	85p	82p
		
£1.82	£1.40	£9

Using Pounds and Pence **Answers**

2. Total up the coins and use greater than (>) and less than (<) to compare the amounts.

												
27p		<	30p		£2.01	<	£4.02		£1.13	>	£1.12	

3. Circle all the boxes that contain more than £1.

Money World Problems

Answers

1. Janet buys a pen for 34p and a rubber for 22p. How much does she spend?

56p

2. Alex gives his friend 35p. He is left with 20p. How much did he have to begin with?

55p

3. Hamed buys some apples for 76p. He pays with a £1 coin. How much change does he receive?

24p

4. Tomas is given 45p by a friend. He had 38p already. How much does he have now?

83p

5. Alma has four 20p coins. She buys a bottle of water for 58p. How much money will she have left?

22p

6. Nura has four coins. She has 36p. What coins must she have?

20p, 10p, 5p, 1p

7. Ian spends 23p on a packet of crisps and 41p on a drink. He gets 36p change. He gives the shopkeeper 2 coins. What were the coins?

two 50ps

Compare and Sequence Intervals of Time Answers

1. Choose one of these phrases to fill each gap with:

- takes longer than
- takes less time than
- takes about the same time as

Brushing your Teeth	takes less time than	reading a book.
Watching a film	takes longer than	watching a TV programme.
Knitting a jumper	takes longer than	making a paper aeroplane.
Making a cup of tea	takes about the same time as	eating an apple.
Saying hello	takes about the same time as	saying goodbye.
Writing a post card	takes less time than	writing a story.
Reading a long book	takes longer than	reading a short book.

Compare and Sequence Intervals of Time **Answers**

2. Can you put these events in order from the one that would take the least time up to the one that would take the most time?

travelling to the Moon	flying to America	popping to the local shop	watching a film	sailing to America by boat
popping to the local shop	Watching a film	Sailing to America by boat	Flying to America	Travelling to the Moon
<div style="display: flex; justify-content: space-between; align-items: center;"> ← less time more time → </div>				

3. Can you use the signs $<$, $>$ and $=$ to make these statements correct?

1 hour	$>$	1 minute
100 minutes	$>$	1 hour
1 minute	$>$	1 second
1 week	$>$	24 hours
20 minutes	$<$	1 hour
60 seconds	$<$	1 hour

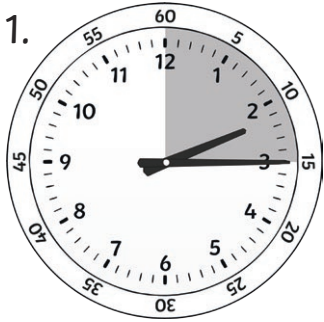
4. Can you put these events in order from the shortest amount of time to the longest amount of time?

1 day	8 minutes	10 seconds	20 hours	59 minutes
10 seconds	8 minutes	59 minutes	20 hours	1 day
<div style="display: flex; justify-content: space-between; align-items: center;"> ← less time more time → </div>				

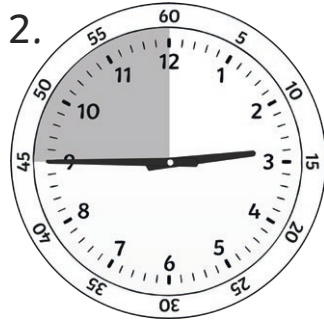
Telling the Time - Quarter Past, Quarter to and Half Past

Answers

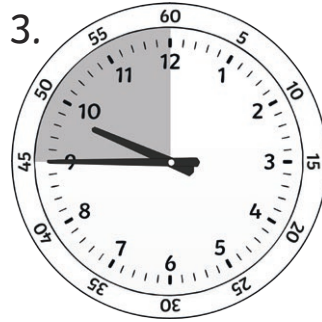
Are these clocks showing quarter to or quarter past?



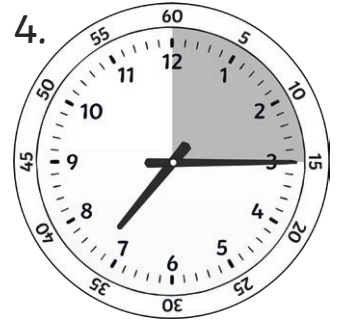
Quarter Past



Quarter To



Quarter to

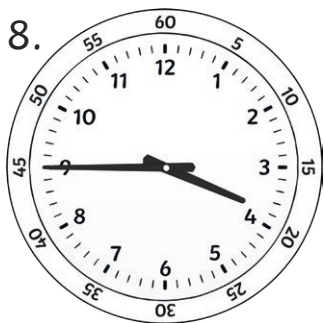


Quarter Past

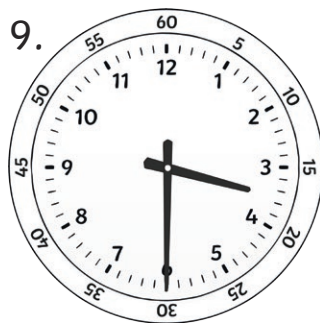
5. If the big hand starts at 12, it takes **15** minutes to get to quarter past.

6. If the big hand starts at 12, it takes **45** minutes to get to quarter to.

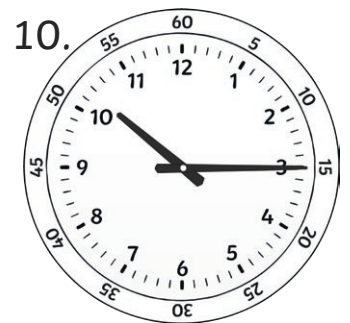
7. If the big hand starts at 12, it takes **30** minutes to get to half past.



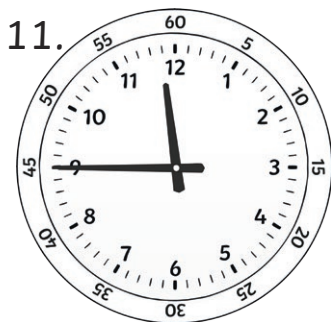
Quarter to 4



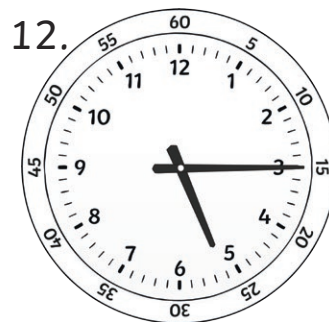
Half past 3



Quarter past 10



Quarter to 12

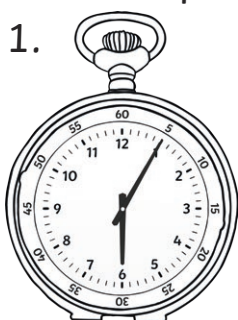


Quarter past 5

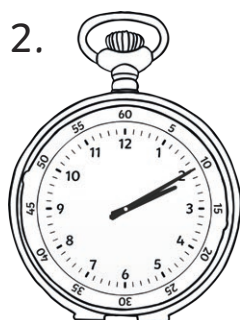
Telling the Time in Blocks of 5 Minutes

Answers

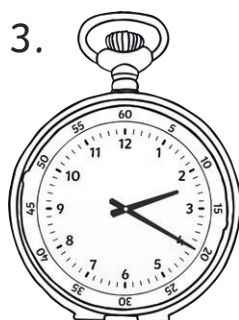
Professor Pike Lafayette Braddock Esquire has a new pocket watch, but he needs help to know what time it is.



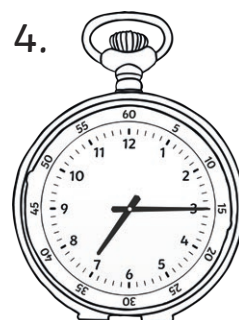
6:05



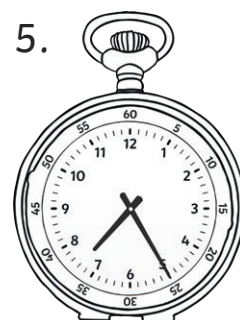
2:10



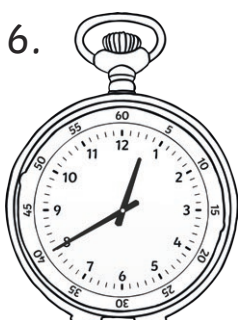
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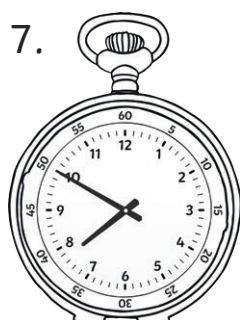
7:15



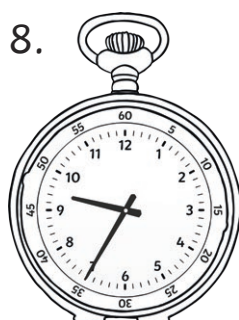
7:25



12:40



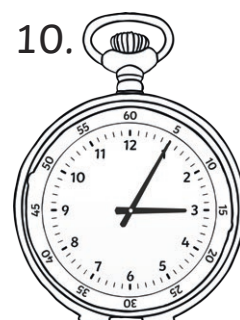
7:50



9:35



2:35



3:05

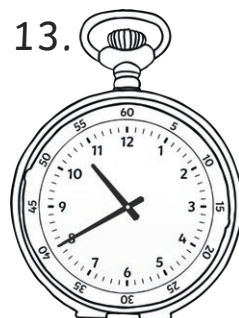
The hands of the professor's pocket watch have fallen off! Draw them on so he knows what time it is.



5 minutes to 10



10 minutes past 8



20 minutes to 11



5 minutes past 7



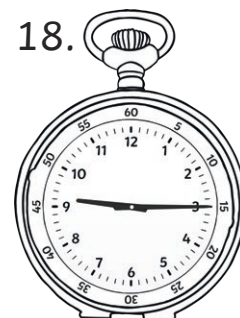
25 minutes past 4



25 minutes to 9



**15 minutes
(quarter to) to 1**



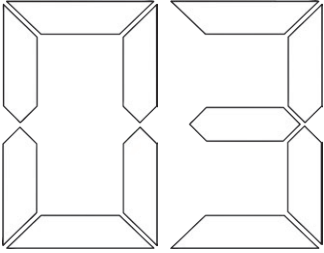
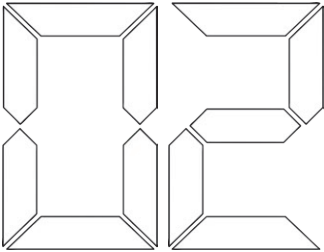
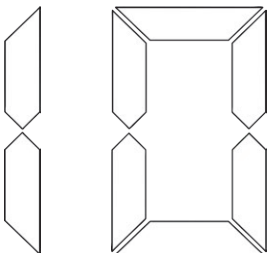
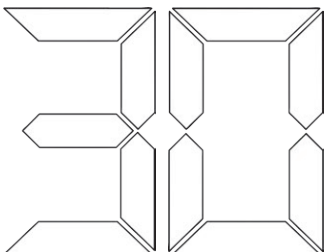
**15 minutes past
(quarter past) 9**

Seconds, Hours or Minutes

Answers

Suggested possible answers:

These answers are not correct for each situation but will give an idea of whether estimates are in the right region.

Event	Possible Length	Units
Boiling a kettle		Minutes
Eating an apple		minutes
Sleeping at night		hours
Watching one television programme		minutes

Seconds, Hours or Minutes **Answers**

Bed time story	10	Minutes
Pouring a drink	15	seconds
Watching a film	12	hours
Hours in a day	24	hours
Climbing the stairs	15	seconds
Minutes in an hour	60	minutes