Maths Assessment Year 3 Term 3: Measurement

1. Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).

2. Measure the perimeter of simple 2D shapes.

3. Add and subtract amounts of money to give change, using both £ and p in practical contexts.

4. Tell and write the time from an analogue clock, including using Roman numerals from i to xii, and 12-hour and 24-hour clocks.

5. Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.

6. Know the number of seconds in a minute and the number of days in each month, year and leap year.

7. Compare durations of events.

Name: Date:

Maths Assessment Year 3 Term 3: Measurement

1. Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).
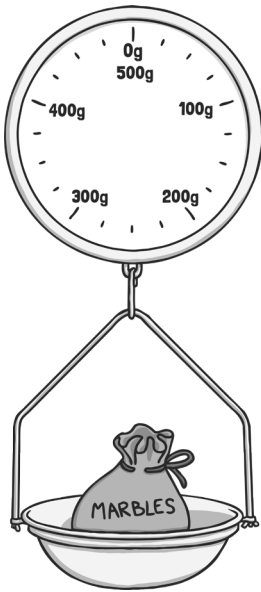
a) Write these measures in order, smallest first:

650ml	1 litre	2 litres	300ml	1750ml

1 mark

b) This bag of marbles weighs 425g. Mark the measurement on the scales.

0g
500g
400g   100g
300g   200g

MARBLES

1 mark

c) Measure this straw with a ruler.

[   ] cm

1 mark

d) Circle the container in which there is more milk?
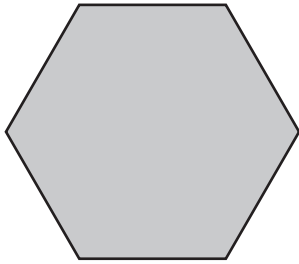
Milk
250ml

500ml
400ml
300ml
200ml
100ml
0ml
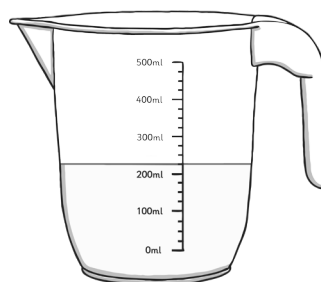
1 mark

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this page

2. Measure the perimeter of simple 2D shapes.

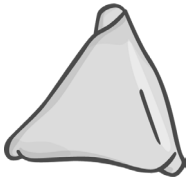What is the perimeter of this regular hexagon to the nearest centimetre?

cm

3. Add and subtract amounts of money to give change, using both £ and p in practical contexts.
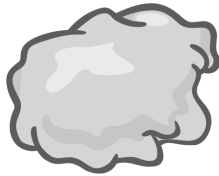
Zain buys 2 samosas and an onion bhaji. He pays with a £1 coin. Circle the coins that could be used for change.

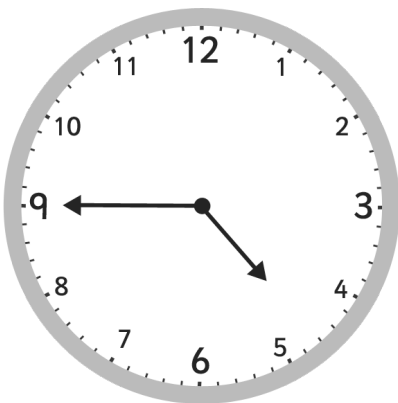Samosa   Onion bhaji

34p   20p

4. Tell and write the time from an analogue clock, including using Roman numerals from i to xii, and 12-hour and 24-hour clocks.
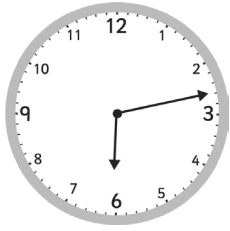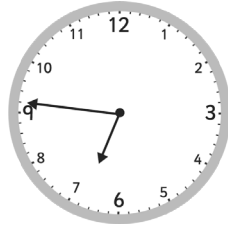
What time is shown on this clock?

5. Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.

a) A test starts at the time on Clock A and finishes at the time on Clock B? How long was the test?

clock A

clock B

1 mark

b) Match the events to the most likely times:

Midnight   Eating lunch

Noon   Sleeping

1 mark

c) Write the time 6 o'clock in 2 different ways:

2 marks

6. Know the number of seconds in a minute and the number of days in each month, year and leap year.

a) How many seconds are there in 10 minutes?

1 mark

b) How many days are there in a leap year?

1 mark

c) How many days are there in September?

1 mark

Total for this page

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7. Compare durations of events.

Look at this tram timetable

15:15	Park and Ride
15:42	London Road
15:56	Town Hall
16:13	High Street
16:25	Shopping Centre
16:34	Bus Terminus

a) Ben arrives at the Park and Ride at ten past 3. If he catches the tram on the timetable, how long before he arrives at the Town Hall?

b) Edward arrives at the Shopping Centre at 16:25 having travelled for 43 minutes. Where did he get on the tram?

c) Selina spends 21 minutes travelling on the tram. What could her journey have been?

to

Here is a timetable for a Year 3

8.50am	Registration
9.00am	Literacy
10.05am	Assembly
10.20am	Playtime
10.40am	Maths
11.40am	Lunch
12.45pm	Reading
1.10pm	PE
2.20pm	Art
3.15pm	Hometime

d) Which is the longest lesson of the day?

e) How long is playtime and lunchtime altogether?

Answer Sheet: Maths Assessment Year 3 Term 3: Measurement

question	answer	marks	notes
1. Measure, compare, add and subtract: lengths (m / cm / mm); mass (kg / g); volume / capacity (l / ml).			
a	300ml 650ml 1 litre 1750ml 2 litres	1	All measurements must be in the correct order.
b	mark on scale at 425g	1	
c	12cm	1	Allow a decimal close to 12cm (11.8cm – 12.2cm).
d	250ml milk carton	1	
2. Measure the perimeter of simple 2-d shapes.			
	12cm	1	Accept an answer that shows accurate measurement but hasn't been rounded to the nearest centimetre. (11.5cm to 12.4cm.)
3. Add and subtract amounts of money to give change, using both £ and p in practical contexts.			
	12p in coins circled	1	Any suitable combination.
4. Tell and write the time from an analogue clock, including using Roman numerals from i to xii, and 12-hour and 24-hour clocks.			
	4.45am, 4.45pm, 4.45, 04:45, 16:45 or quarter to 5	1	Allow any other correct time.
5. Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m. / p.m., morning, afternoon, noon and midnight.			
a	33 minutes	1	
b	Midnight — Eating lunch / Noon — Sleeping (crossed lines)	1	One mark for both lines completed correctly.
c	6am, 6pm, 06:00, 18:00	2	Allow any other correct time.
6. Know the number of seconds in a minute and the number of days in each month, year and leap year.			
a	600	1	
b	366	1	
c	30	1	

question	answer	marks	notes
7. Compare durations of events.			
a	46 minutes (time from 1510 not 1515)	1	
b	London Road	1	
c	High Street to the Bus Terminus	1	
d	PE	1	
e	1 hour, 25 minutes	2	Allow 1 mark for correctly adding the 2 times for playtime and lunch if one of these times is wrongly written, or 1 mark for correctly writing the 2 times (20 minutes and 1 hour 5 minutes) but making 1 mistake in adding the times.
		Total 20	