

Maths quiz

We have now come to the end of our assertive mentoring so we would like you to consolidate your learning through a mixture of 'quizzes'.

Maths Assessment Year 4 Term 2: Measurement

total marks

twinkl

1. Convert between different units of measure [for example, kilometre to metre; hour to minute].

Complete the statements below:

a) 90 minutes = hours

d) $2\frac{1}{4}$ minutes = seconds

b) $4\frac{1}{2}$ km = m

e) cm = 125mm

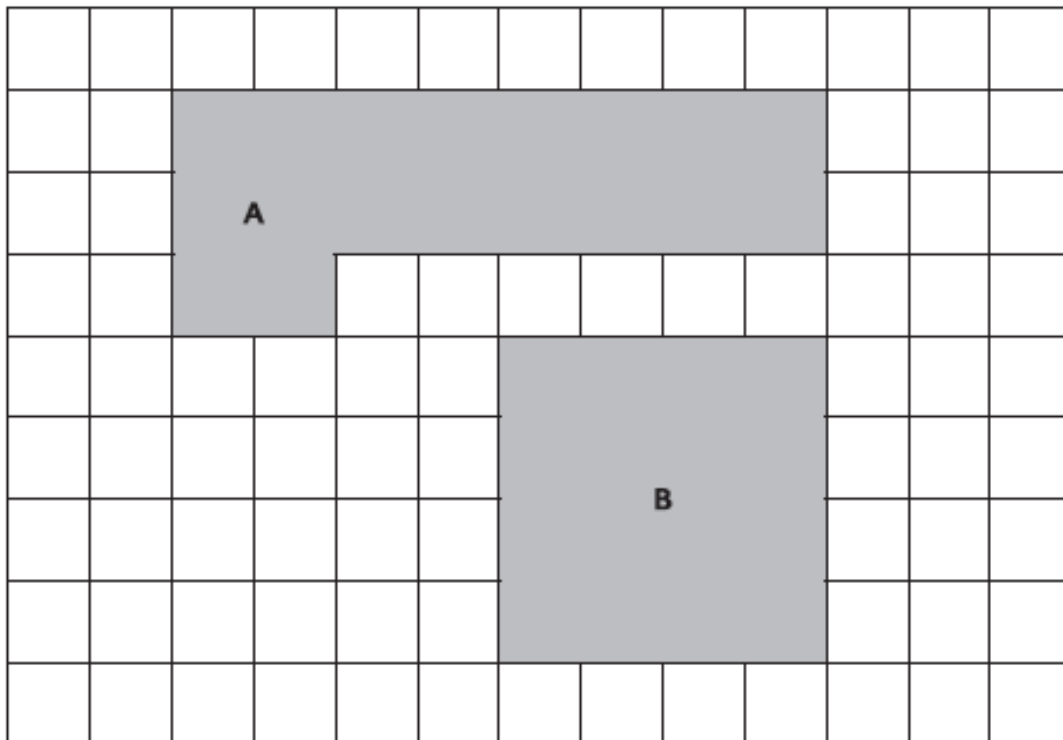
c) g = 2.5kg

f) 1.25 litres = ml

6 marks

2. Measure and calculate the perimeter of a rectilinear figure and find the area of rectilinear shapes by counting squares.

Each square on the grid represents 1cm.



- a) Which shape has the larger area?

Shape

- b) Which shape has the longer perimeter?

Shape

4 marks

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3. Estimate, compare and calculate different measures, including money in pounds and pence.

- a) The heights of three different houses are shown here. Put the houses in order of height by writing A, B or C in the boxes below, starting with the smallest. (Houses not drawn to scale).



A
8.43m

smallest



B
8.07m



C
8.17m

tallest



1 mark

- b) Here is a 1 litre bottle of milk. Some of it has been used. Which is the most sensible estimate of what remains? Tick the best estimate.



75ml ☐

750ml ☐

7.5ml ☐



1 mark

4. Read, write and convert time between analogue and digital 12- and 24-hour clocks.

The time shown on this **analogue clock** is in the **afternoon**.

- a) Write the time as it would appear on a 24 hour digital clock.



1 mark



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The time shown on the 12 hour digital clock is in the morning.

b) Draw the same time on the analogue clock.



1 mark

5. Solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days.



Here is a timetable for feeding times at a zoo:

animal	start of feeding time	how long it lasts
elephants		30 minutes
seals	11:50am	35 minutes
tigers	12:30pm	40 minutes
penguins	1:40pm	35 minutes

a) What time does the feeding of tigers end?

b) If the elephant feeding time ended at 11:15 am, what time did it start?

c) How long does it take to feed all the animals? Write your answer in hours and minutes.

3 marks

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A 4 x 200metre relay team record the following times (to the nearest second)



runner 1	22 seconds
runner 2	25 seconds
runner 3	21 seconds
runner 4	19 seconds

- d) In minutes and seconds, how long did it take the team to run the whole race?



1 mark

- e) Jusna is 7 years and 6 months old. How old will she be in 10 months time? Write your answer in Years and months.



1 mark

Children are often taught this rhyme to help them remember the number of days in a month:

30 days has
September,
April, June and
November.
All the rest have 31,
Except for February
which has 28 days
and 29 on a
leap-year

- f) 'How many days and weeks in total are there in June, May and October?

weeks

days




1 mark



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this page

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question	answer	marks	notes
1. Convert between different units of measurement.			
a	150 minutes	1	
b	1.5km or 1 $\frac{1}{2}$ km	1	accept 1.50 km
c	2500 g	1	
d	210 minutes	1	
e	12.5cm or 12 $\frac{1}{2}$ cm	1	
f	3.75 litres or 3 $\frac{3}{4}$ litres	1	accept 3.750 litres
2. Measure and calculate the perimeter of a rectilinear figure and find the area of rectilinear shapes by counting squares.			
a	shape A: 18cm shape B: 20cm	2	
b	shape A: 18cm shape B: 16cm	2	
3. Estimate, compare and calculate different measures, including money in pounds and pence.			
a	B,C,A	1	
b	750 ml	1	Accept any way of indicating 750 ml
4. Read, write and convert time between analogue and digital 12- and 24-hour clocks.			
a	16: 10	1	
b		1	
5. Solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days.			
a	1:10 pm	1	Also accept ten past one, 10 past 1 or 13:10. Must state pm or afternoon
b	10:45 am	1	Also accept to 11 or quarter to eleven Must state am or morning
c	2 hours 20 minutes	1	Only accept answer written as hours and minutes
d	1 minute 27 seconds	1	Only accept answer written as minutes and seconds
e	8 years and 4 months	1	Only accept answer written as years and months
f	13 weeks and 1 day	1	Only accept answer written as weeks and days
		Total 20	