

PiAcademy

YEAR 3

Measurement (LMC)

Assessment – 3

Instructions:

1. The time allowed is 20 minutes for 20 questions
2. Follow the instructions and work as quickly and as carefully as you can.
3. If you need to do working out, you can use the space around the question.
4. The number under each question at the right side of the page tells you the number of marks available for each question.
5. No Marks are lost for an incorrect answer.
6. If you have written the wrong answer, erase it and write the new one. Make sure that your final answer is clear.

Total Marks	Marks Achieved (To be filled by Parent/Teacher)
25 Marks	

Symbols used:



Go to the next page.

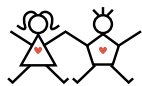


Do not turn the page until told to do so.



Stop working and await instructions.

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Year 3 Objectives Measurement (Length, Mass, Capacity) according to KS2 Curriculum	Questions	Marks
Compare lengths (m/cm/mm)	3, 5, 8	4 Marks
Compare mass (kg/g)	4, 15, 17	5 Marks
Compare volume / capacity (l/ml)	1, 12	3 Marks
Measure lengths (m/cm/mm)	14, 19	2 Marks
Measure mass (kg/g)	7, 20	2 Marks
Measure volume / capacity (l/ml)	10	1 Mark
Add and subtract lengths (m/cm/mm)	13	1 Mark
Add and subtract mass (kg/g)	2	1 Mark
Add and subtract volume / capacity (l/ml)	6, 16, 18	3 Marks

Other Important Topics Assessed	Questions	Marks
Perimeter of 2-D shapes	9, 11	3 Marks

Total - 25 Marks





1

Compare the volume of liquid and write in increasing order.



750 ml

A



2 L

B



330 ml

C



1.25 L

D

[A] *D, B, C, A*

[B] *C, A, B, D*

[C] *C, A, D, B*

[D] *A, B, C, D*

[E] *B, C, D, A*

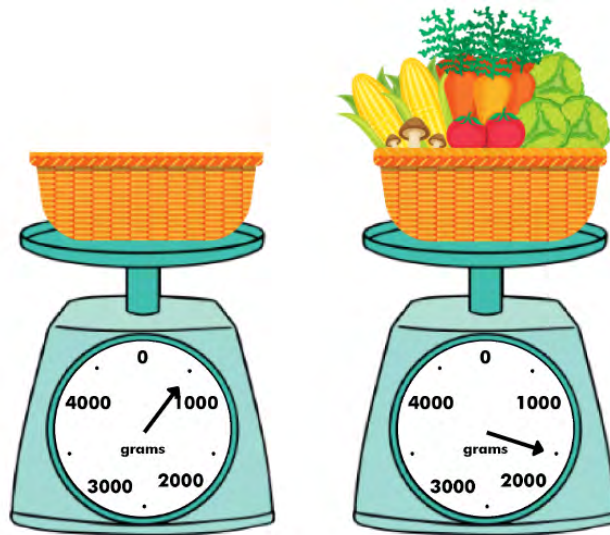
2 Marks





2

Jim went to buy vegetables. The shopkeeper first weighs the empty basket and then with the vegetables. What is the weight of the vegetables?



- [A] 150 kg
- [B] 1000 g
- [C] 500 g
- [D] 1500 g
- [E] 1.5 kg

1 Mark





3

Write the correct units to measure the following lengths.



Length of Stick



Length of Cloth

- [A] metres, kilometre,
- [B] centimetre, metres
- [C] kilometre, metre
- [D] metre, centimetre
- [E] centimetre, centimetre

1 Mark





4

Compare the masses below. Use $<$, $>$, $=$ to make the statements correct.

$$400 \text{ g} \quad \square \quad 4 \text{ kg}$$

$$200 \text{ g} + 600 \text{ g} \quad \square \quad 150 \text{ g} + 650 \text{ g}$$

$$8 \text{ kg} + 450 \text{ g} \quad \square \quad 7 \text{ kg} + 650 \text{ g}$$

$$4 \text{ kg} + 1 \text{ g} \quad \square \quad 200 \text{ g}$$

[A] $<$, $=$, $<$, $>$

[B] $<$, $=$, $>$, $>$

[C] $<$, $<$, $=$, $<$

[D] $>$, $>$, $=$, $>$

[E] $=$, $>$, $<$, $<$

2 Marks





5

Which measurement is the longest?

4 metres 10 metres 200 centimetres
800 centimetres 700 millimetres

- [A] 4 metres
- [B] 200 centimetres
- [C] 800 centimetres
- [D] 10 metres
- [E] 700 millimetres

1 Mark





6

Simon has 6 litres of lemonade. He sold 3500 ml to the customers.
How much lemonade does he have left?

- [A] 2500 ml
- [B] 2.5 litres
- [C] 3000 ml
- [D] 3 litres
- [E] Both a and b



1 Mark





7

Tom is baking a cake. The recipe needs 650 grams of sugar. How many more grams does he need?



- [A] 1000 grams
- [B] 800 grams
- [C] 500 grams
- [D] 275 grams
- [E] 50 grams

1 Mark





8

Select the correct weight for each of the following objects from the box.

50 g	250 g	8 kg	1 kg
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Sugar



Muffin



Puree



Fish bowl

- [A] sugar = 50 g, muffin = 250 g, puree = 8 kg, fish bowl = 1 kg
[B] sugar = 1 kg, muffin = 50 g, puree = 250 g, fish bowl = 8 kg
[C] sugar = 50 g, muffin = 250 g, puree = 8 kg, fish bowl = 1 kg
[D] sugar = 50 g, muffin = 250 g, puree = 1 kg, fish bowl = 8 kg
[E] sugar = 50 g, muffin = 1 kg, puree = 8 kg, fish bowl = 250 g

2 Marks





9

Write the perimeter of given shapes.

a) Regular Hexagon

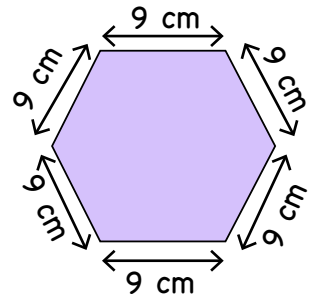
[A] 54 cm

[B] 45 cm

[C] 36 cm

[D] 63 cm

[E] 52 cm



b) Trapezium

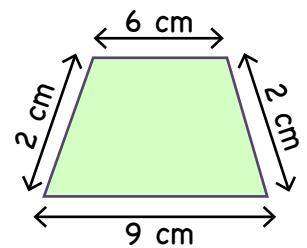
[A] 18 cm

[B] 19 cm

[C] 20 cm

[D] 21 cm

[E] 15 cm



2 Marks

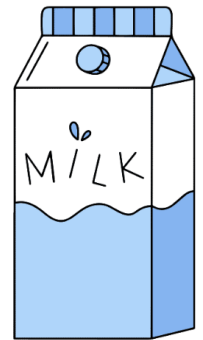




10

Select the most appropriate unit to measure the capacity of the milk pack.

- [A] g
- [B] kg
- [C] ml
- [D] litre
- [E] cm



1 Mark





11

A farmer wants to put a fence around a piece of land to keep his sheep away from his cows. One side of the fence is 12 m, the second side is 11 m and the third side is 13 m. What is the total perimeter of the fence?

[A] 36 m

[B] 35 m

[C] 30 m

[D] 40 m

[E] 25 m



1 Mark





12

Which container holds the most?



Glass



Bottle



Bath tub



Bucket

- [A] Bottle
- [B] Glass
- [C] Bathtub
- [D] Bucket
- [E] Both A and C

1 Mark



**13**

Mr. Peter was hanging Christmas lights. One strand of light was 2 m long. A second strand of lights was 120 cm long. If Mr. Peter strung the lights from end to end, how many centimetres did both strands span?

- [A] 21 m
- [B] 210 m
- [C] 200 cm
- [D] 210 cm
- [E] 320 cm



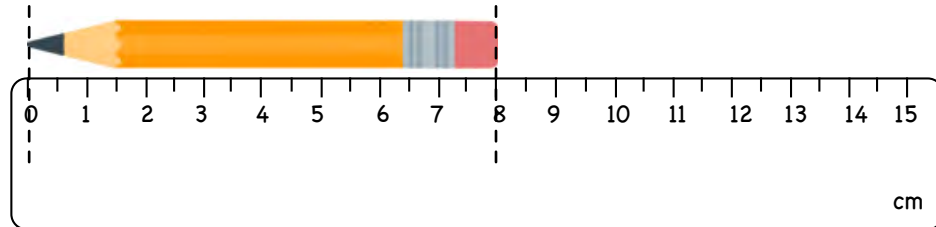
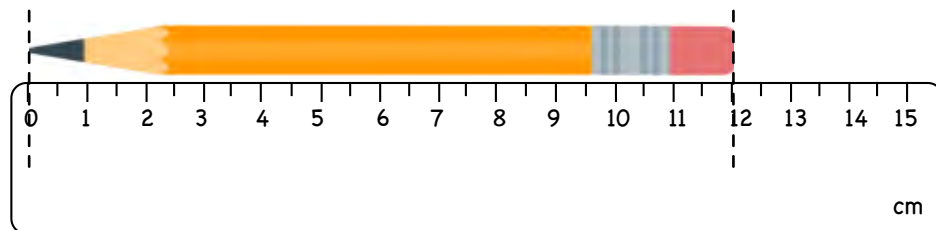
1 Mark





14

Use the ruler to work out the total lengths of both pencils in centimetres.



- [A] 24 cm
- [B] 34 cm
- [C] 16 cm
- [D] 20 cm
- [E] 28 cm

1 Mark





- 15** Select the correct weight for each of the following objects box and write in increasing order.

150 grams, 1000 kilograms, 25 kilograms, 5 grams



Salad



Bus



Wheat Bag



Feather

- [A] 5 grams, 150 grams, 1000 kilograms, 25 kilograms
- [B] 150 grams, 1000 kilograms, 25 kilograms, 5 grams
- [C] 1000 kilograms, 25 kilograms, 5 grams, 150 grams
- [D] 5 grams, 150 grams, 25 kilograms, 1000 kilograms
- [E] 1000 kilograms, 5 grams, 150 grams, 25 kilograms

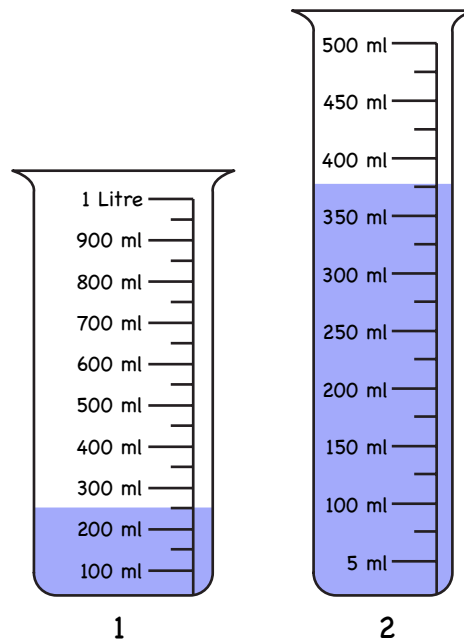
1 Mark





16

How much more water is there in the second container than in the first container?



- [A] 125 ml
- [B] 150 ml
- [C] 175 ml
- [D] 135 ml
- [E] 200 ml

1 Mark

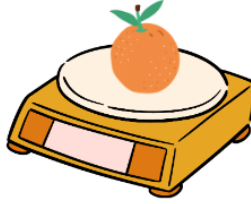




17 Which one of these is the heaviest?



Pumpkin
2 kg



Orange
300 g



Lemon
120 g



Banana
1250 g

- [A] Orange
- [B] Lemon
- [C] Pumpkin
- [D] Bananas
- [E] Both C and D

2 Marks





18

Andrew has 1 litre and 500 ml of cranberry juice. He shares juice with two of his friends, 350 ml each. How much juice is left with Andrew?

- [A] 650 ml
- [B] 750 ml
- [C] 800 ml
- [D] 900 ml
- [E] 850 ml



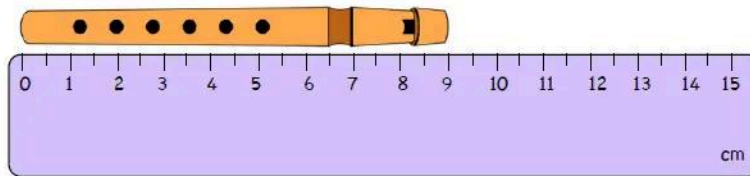
1 Mark





19 On the centimetre scales below, write the length of each ob

a)



[A] 5 cm

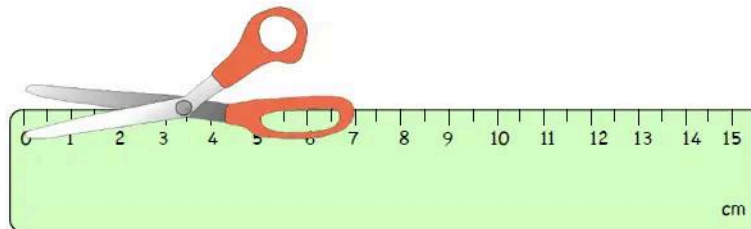
[B] 9 cm

[C] 10 cm

[D] 8 cm

[E] 7 cm

b)



[A] 6 cm

[B] 9 cm

[C] 7 m

[D] 8 cm

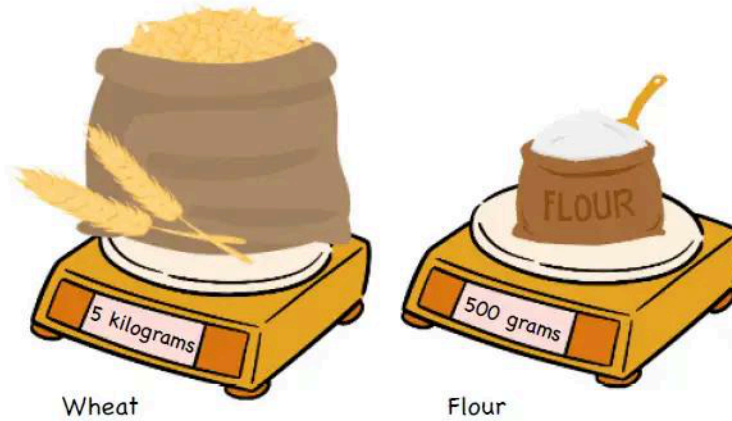
[E] 7 cm

2 Marks





- 20 John weighs the wheat and flour in his home. The wheat weighs 5 kilograms and the flour weighs 500 grams. What is the total weight of wheat and flour?



- [A] 550 grams
- [B] 5500 grams
- [C] 550 kilograms
- [D] 505 kilograms
- [E] 505 grams

1 Mark

END OF THE TEST

