Anglo-Chinese School
(Primary)
A Methodist Institution
(Founded 1886)

Primary 3
Mathematics
Topical Worksheet

TERM 3 2019

Name: _____ ( )

Class: Pr 3 _____

Teacher: _____

Topics	Teacher's Signature	Remarks
Length (1)		
Length (2)		
Mass (1)		
Mass (2)		
Mass (3)		
Volume (1)		
Volume (2)		
Fraction (1)		

Date: _____

Term 3 Topical Worksheet
Length (1)

SIOs:

- To measure length in metres and centimetres
- To convert measurements of length in metres to centimetres, and vice-versa
- To convert measurements of length in metres and centimetres to centimetres, and vice-versa
- To solve up to 2-step word problems involving length

1. Convert the following lengths.

   a) 4 m 6 cm = _____ cm

   b) 18 m 7 cm = _____ cm

   c) 780 cm = _____ m _____ cm

   d) 4 140 cm = _____ m _____ cm

2. 11 m 9 cm – _____ m _____ cm = 150 cm

3. 755 m = 700 m + _____ m + 500 cm

4. 10 m – 4 m 5 cm = _____ cm

5. Dory used 204 cm of a string and had 79 cm of it left. What was the length of the string at first?

Ans: _____ m _____ cm

6. In a long jump event, Muthu jumped 19 cm less than Harry. Harry jumped 5 cm less than Peter. Peter jumped 3 m 5 cm. How far did Muthu jump?

Ans: _____ m _____ cm

Date: _____

Term 3 Topical Worksheet
Length (2)

SIOs:
- To measure length in kilometres and metres
- To convert measurement of length in kilometres to meters, and vice-versa
- To convert measurements of length in kilometres and metres to metres, and vice-versa
- To solve up to 2-step word problems involving length

1. Convert the following.

   a) 8 km 16 m = _____ m

   b) 7 km 5 m = _____ m

   c) 10 606 m = _____ km _____ m

   d) 20 007 m = _____ km _____ m

2. 5 km 28 m - _____ km _____ m = 2 km 10 m

3. _____ km _____ m + 3 km 50 m = 11 km 27 m

4. Kyle jogs 3 km for the first week, 6 km for the second week and 9 km for the third week. He intends to increase the distance every week.

   a) How far will he jog in Week 4?
   b) In which week will he jog a distance of 21 km? (Hint: Find a pattern)

Week	Distance

Ans: a) _____

b) _____

5. In a race, Jonathan placed 10 distance markers along the running route. The distance between the first and second distance marker is 150m. What is the distance between the first and the last distance marker?
(Hint: Draw a diagram)

Ans: _____

Date: _____

Term 3 Topical Worksheet
Mass (1)

SIOs:
- To measure mass in kilograms and grams
- To convert measurements of mass in kilograms and grams to grams, and vice-versa
- To solve up to 2-step word problems involving mass

Convert the following measurements.

1. How many grams are there in 4 kg? _____ g

2. How many grams are there in 2 kg 45g? _____ g

3. How many grams are there in 3 kg 756g? _____ g

Convert the following measurements.

4a) 2456g = _____ kg _____ g 4b) 356g = _____ kg _____ g

4c) 8009g = _____ kg _____ g 4d) 4028g = _____ kg _____ g

5. The mass of Minnie and Jessica is 28 kg. Jessica weighs 6 kg lighter than Minnie. What is the Minnie's mass?
(Give your answer in kg)

Ans: _____

6. Box A is thrice as heavy as Box B. If the total mass of the boxes is 1092g, what is the mass of Box B?

Ans: _____

7. David is heavier than Jeremy. The difference in their masses is 13 kg. If their total mass is 87 kg, what is the mass of David?

Ans: _____

Date: _____

Term 3 Topical Worksheet
Mass (2)

SIOs:

- To measure mass in kilograms and grams
- To convert measurements of mass in kilograms and grams to grams, and vice-versa
- To solve up to 2-step word problems involving mass

Section A: Multiple-Choice Questions
Choose the correct answer and write its number (1, 2, 3 or 4) in the brackets provided.

1. Sam weighs 40 kg. His father weighs twice as heavy as him. What is their total mass?

   (1) 42 kg
   (2) 80 kg
   (3) 82 kg
   (4) 120 kg ( )

2. 5035 g + 3500 g + _____ = 10 000 g

   (1) 1 kg 5 g
   (2) 1 kg 465 g
   (3) 4 kg 35 g
   (4) 6 kg 500 g ( )

Section B: Short-Answer Questions
Solve the following questions and write its answer in the spaces provided.

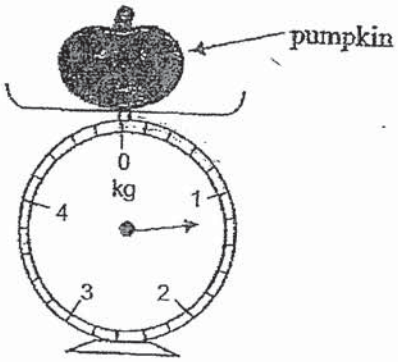
3. If the mass of 3 similar pens is 360 g and the mass of 2 similar pencils is 340 g, what is the total mass of a pen and a pencil?

Ans: _____ g

4. A small motorcycle can carry 2 persons, each weighing 47 kg. If John, who weighs 59 kg, sits on it, how much more mass can the motorcycle carry?

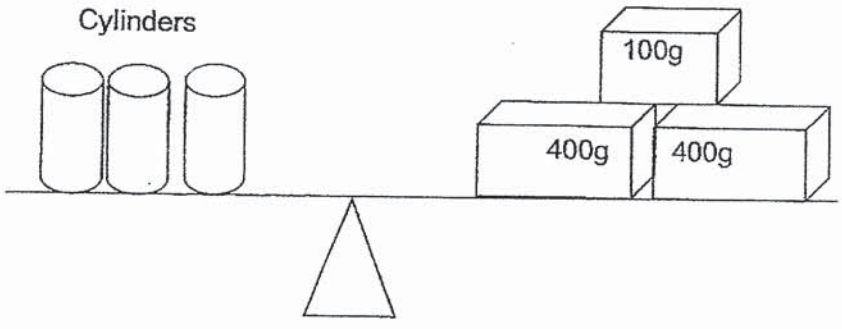
Ans: _____ kg

5. If a durian is 850 g heavier than the pumpkin, what is the weight of the durian?



Ans: _____ g

6. Look at the diagram below. What is the mass of 1 cylinder?



Ans: _____ g

Date: _____

Term 3 Topical Worksheet
Mass (3)

SIO:

- To solve up to 2-step word problems involving mass.

Solve the following problems. Show all your workings clearly and write the answers in the space provided

1. 1 kg of bananas costs $5. For every 4 kg of bananas, a discount of $3 is given. How much must Tammy pay if she bought 8 kg of bananas?

Ans: _____

2. The mass of a honeydew is 1 850 g. It is 680 g lighter than a durian.

   a) What is the mass of the durian?
   b) What is the total mass of the two fruits?
   (Give all your answers in kg and g.)

Ans: a) _____

b) _____

3. A box of stones has a mass of 2 200 g. When the box is empty, its mass is 250 g.

a) What is the mass of the stones?
b) What is the difference between the mass of the stones and the mass of the empty box?
(Give all your answers in kg and g.)

Ans: a) _____

b) _____

4. Jane weighs 34 kg. Sam is thrice as heavy as Jane. Tessa is 27 kg lighter than Sam. What is Tessa's mass?

Ans: _____

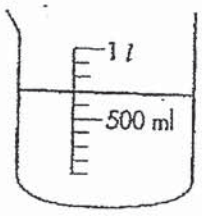
Date: _____

Term 3 Topical Worksheet
Volume (1)

SIOs:
- To measure volume in litres and millilitres
- To convert measurements of volume in litres and millilitres to millilitres, and vice-versa
- To associate the term 'capacity' of a container with the amount of liquid it can hold
- To estimate and compare capacities of containers
- To solve up to 2-step word problems involving volume

Section A: Multiple-Choice Questions
Choose the correct answer and write its number (1, 2, 3 or 4) in the brackets provided.

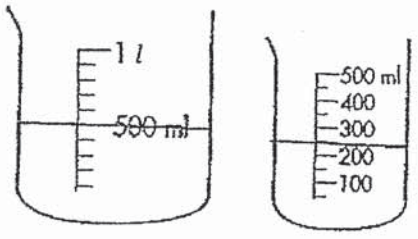
1. The volume of water shown in the container below is _____.



1) 500 ml
2) 520 ml
3) 700 ml
4) 900 ml

( )

2. The total volume of water shown in the two containers below is _____.



1) 800 ml
2) 750 ml
3) 700 ml
4) 650 ml

( )

3. 1 005 ml is the same as _____.

1) 1 l 5 ml
2) 1 l 50 ml
3) 10 l 5 ml
4) 10 l 50 ml ( )

4. 11 ℓ 118 ml is equal to _____.

1) 11 118 ml
2) 11 180 ml
3) 110 118 ml
4) 111 180 ml ( )

5. A can contains 750 ml of water. A pot contains 3 times as much water as the can. What is the capacity of the pot?

1) 735 ml
2) 1500 ml
3) 2250 ml
4) 2500 ml ( )

Section B: Short-Answer Questions
Solve the following questions and write its answer on the line provided.

6. Mark drank 480 ml of hot coffee. Ronald drank 125 ml more than Mark. How much coffee did they drink altogether?

_____ ml

7. 250 ml of tea was poured out from a teapot into a cup. There was 5 times as much tea left in the teapot as she had poured out. How much tea was there in the teapot at first?

_____ ℓ _____ ml

Date: _____

Term 3 Topical Worksheet
Volume (2)

SIO:
- To solve up to 2-step word problems involving volume

Solve the following problems. Show all your workings clearly and write the answers in the space provided.

1. The total capacity of 5 containers and a pail is 92 ℓ. If the pail can hold 7 ℓ of water, find the capacity of one container.

Ans: _____

2. The total capacity of a jug and a cup is 1 200 ml. If the capacity of the jug is 700 ml more than that of the cup, find the capacity of the cup.

Ans: _____

3. Jenny has a container filled with 5 000 ml of water. She used 2 693 ml of water for cooking and added syrup to the remaining water to make a syrup mixture. If she had 4 707 ml of syrup mixture, how much syrup did she add?

Ans: _____

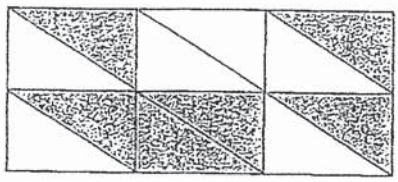
4. A tin holds 4 ℓ of cooking oil. She pours 580 ml of oil away and the rest of it is poured into three bottles of equal capacity. How much oil does each bottle contain? (Give your answer in ℓ and ml)

Ans: _____

Date: _____

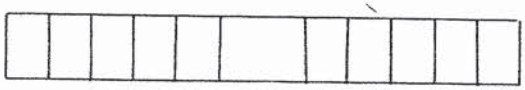
Term 3 Topical Worksheet
Fractions (1)

1. What fraction of the whole figure is shaded in grey? Express your answer in the simplest form.



Ans: _____

2. Shade $\frac{3}{4}$ of the figure to show the fraction:



3. What is the missing numerator in the box?

$\frac{3}{9} = \frac{\square}{12}$

Ans: _____

4a) Arrange the fractions in **ascending** (smallest to biggest) order.

i) $\frac{7}{9}, \frac{7}{11}, \frac{7}{8}, \frac{7}{12}$

Ans: _____

ii) $\frac{2}{9}, \frac{7}{9}, \frac{5}{9}, \frac{1}{9}$

Ans: _____

b) Arrange the fractions in **descending** (biggest to smallest) order.

i) $\frac{3}{8}, \frac{1}{4}, \frac{1}{2}$

Ans: _____

ii) $\frac{3}{4}, \frac{1}{3}, \frac{5}{6}$

Ans: _____

5. Add the following fractions and express your answers in the simplest form.

a) $\frac{3}{8}+\frac{1}{2}=$

b) $\frac{2}{3}+\frac{1}{6}=$

c) $\frac{1}{9}+\frac{2}{3}=$

d) $\frac{1}{2}+\frac{1}{3}=$

6. Subtract these fractions and express your answers in the simplest form.

a) $\frac{3}{4}-\frac{1}{2}=$

b) $\frac{3}{10}-\frac{1}{5}=$

c) $\frac{9}{10}-\frac{1}{2}=$

d) $\frac{8}{9}-\frac{2}{3}=$

ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 3
SCHOOL : ANGLO CHINESE SCHOOL
SUBJECT : MATHEMATICS
TERM. : TOPICAL WORKSHEET

BOOKLET A

Term 3 Topical Worksheet Lengt

Q1a)406cm

b)1807cm

c)7m 80cm

d)41m 40cm

Q2 9m 59cm

Q3 50m

Q4 595

Q5 2m 83cm

Q6 2m 81cm

Term 3 Topical worksheet Length (2)

Q1a)8016

b)7005m

c)10km 606m

d)20km 7m

Q2 3k 18km

Q3 7km 977cm

Q4a)12km

b)7

Q5 1350m

Term 3 Topical Worksheet Mass (1)

Q1 4000g

Q2 2045g

Q3 3756g

Q4a)2kg 456g

b)0kg 356g

c)8kg 9g

d)4kg 28g

Q5 17kg

Q6 273g

Q7 50kg

Term 3 Topical Worksheet Mass (2)

Q1 4

Q2 2

Q3 290kg

Q4 35kg

Q5 205

Q6 300g

Term 3 Topical Worksheet Mass (3)

Q1 $34

Q2a)2kg 530g

b)4kg 380g

Q3a)1kg 950g

b)1kg 700g

Q4 75kg

Term 3 Topical Worksheet Volume (1)

Q1 3

Q2 2

Q3 1

Q4 1

Q5 3

Q6 1085ml

Q7 1ℓ 500ml

Term 3 Topical Worksheet Volume (2)

Q1 17ℓ

Q2 250ml

Q3 2400ml

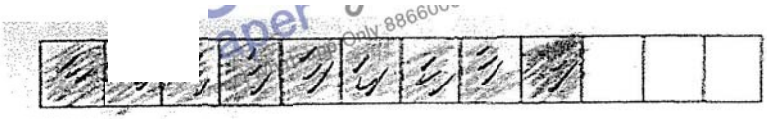
Q4 1ℓ 140ml

Term 3 Topical Worksheet Fraction (1)

Q1 $\frac{1}{2}$

Q2 4

Q3



Q4ai) $\frac{7}{12}\frac{7}{11}\frac{7}{9}\frac{7}{8}$

ii) $\frac{1}{9}\frac{2}{9}\frac{5}{9}\frac{7}{9}$

bi) $\frac{1}{2}\frac{3}{8}\frac{1}{4}$

ii) $\frac{5}{6}\frac{3}{4}\frac{1}{3}$

Q5a) $\frac{7}{8}$

b) $\frac{5}{6}$

c) $\frac{7}{9}$

d) $\frac{5}{6}$

Q6a) $\frac{1}{4}$

b) $\frac{1}{10}$

c) $\frac{2}{5}$

d) $\frac{2}{9}$