

Name:

Group: 57

Date: 08-03-2021

Total points: /49

1) Copy and complete these calculations by filling in the empty boxes. (3 points, 1 each)

a $2.5 \times \square = 250$ b $3.2 \div \square = 0.0032$ c $0.17 \square 10 = 1.7$

2) Tiago has a 0.3 l bottle of medicine. (2 points)

He is told to take two 5 ml spoonfuls of medicine three times a day.

How many days will the medicine last?

3) Should you carry out a survey or an experiment to collect the primary data for these questions? (2 points, 1 each)

a How many times does a dice land on '6' when it is rolled 30 times?
b Who is the favourite sports personality of the students in your class?

4) Work these out. (4 points, 1 each)

a $13.45 + 9.3 =$ b $8 + 9.76 + 23.45 =$ c $45.95 - 23.7 =$ d $239.8 - 47.64 =$

5) Shona goes for a run four times a week. (2 points)

During one week she runs 3.6 km, 4.85 km, 10.5 km and 7.45 km.

How far did Shona run in this week?

6) Andreas is training for a swimming competition. (3 points)

The table shows the number of lengths of the swimming pool that he swims during one week.

The swimming pool has a length of 25 m.

How far does Andreas swim this week?

No. of lengths	Monday	Wednesday	Friday
62			
78			
56			

7) Convert these lengths into the units shown. (3 points, 1 each)

a $75 \text{ mm} = \square \text{ cm}$ b $1.2 \text{ km} = \square \text{ m}$ c $120 \text{ cm} = \square \text{ m}$

8) Convert these masses into the units shown. (3 points, 1 each)

a $2000 \text{ kg} = \square \text{ t}$ b $3.2 \text{ kg} = \square \text{ g}$ c $0.25 \text{ t} = \square \text{ kg}$

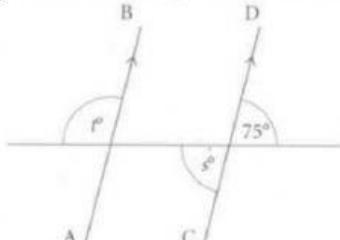
9) Convert these capacities into the units shown. (3 points, 1 each)

a $8000 \text{ ml} = \square \text{l}$ b $4.2 \text{ l} = \square \text{ ml}$ c $650 \text{ ml} = \square \text{l}$

10) Can a quadrilateral have: (4 points, 1 each)

a four acute angles b three obtuse angles c one reflex angle d two reflex angles?

11) AB and CD are parallel. Calculate the values of s and t . (2 points)

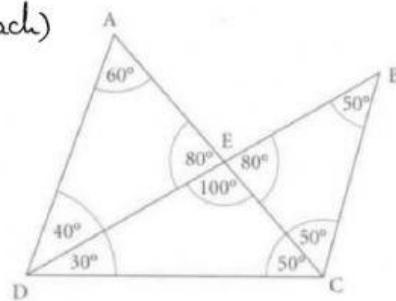


$s =$

$t =$

12) Write down the size of each of these angles. (4 points, 1 each)

a angle ADC b angle DBC
 c reflex angle AEB d BCD

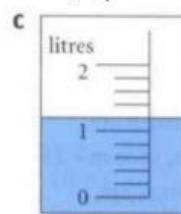
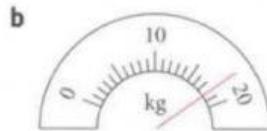


13) a Two angles of a triangle are given. Calculate the third angle in each case. (5 points, 4 a - one each - and 1 b)

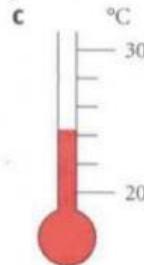
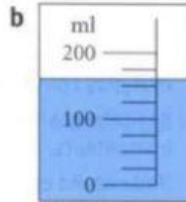
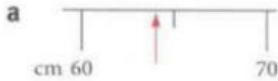
i 45° and 75° ii 8° and 11°
 iii 54° and 54° iv 138° and 21°

b Which of the triangles have two sides the same length?

14) Write down the value shown on each of these scales. Don't forget units. (3 points, 1 each)



15) Estimate the readings on each of these scales. Don't forget units. (3 points, 1 each)



16) Some people were asked to choose their favourite drink out of tea (T), coffee (C), fruit juice (F) and water (W). The results are below. (3 points)

T W F C T W T F C C W W T F C W T W

What is the most popular drink?

17) Mr Stephens gave his class a mental maths test. On the right are the students' scores, out of 15. (2 points, 1 each)

Score	Tally	Frequency
1-5	XXXX	
6-10	XXXX	
11-15	XX	
Total:		

12	9	7	8	5	12
5	11	13	11	14	9
3	8	5	12	9	8
15	6	4	15	3	10
9	8	14	10	6	13

How many students are there in Mr Stephen's class?

Can you tell from the frequency table how many students got more than half of the questions correct? Explain your answer.