TAURANGA GIRLS COLLEGE
YEAR 9 HOMEWORK SHEET
Series A Sheet 6

Name: _____
Tutor Class:
Due Date: _____

TGC Values: Respect, Participation, Pride

1.

	50	40	52	22	35	51	37	67	69	99
+ 18										

2.

	70	80	50	46	51	23	95	62	12	44
– 19										

3.

	10	4	5	7	8	12	11	6	3	9
x 6										

4.

	18	9	36	45	54	27	90	63	72	81
÷ 9										

5. 85 – 46 =

6. 56 – 33 =

7. 47 – 29 =

8. 87 – 28 =

9. 144 – 54 =

10. 149 – 59 =

11. halve 68

12. halve 58

13. halve 76

14. halve 94

15. halve 154

Numeracy Total: _____ / **15**

KEY SKILLS:

1. In the number 562,319 what digit is in the *ten thousands* column? _____

2. Write 305,000 in words

_____

3. Round 54,894 to the nearest *ten thousand*

_____

4. Insert < or > to make it a true statement:
167,376 ____ 167,341

5. 9 squared = _____

6. List the first three multiples of 9

_____

7. Calculate 7 + 12 ÷ 3

_____

8. Write 0.03 as a fraction = _____

9. $\frac{2}{3}$ of 27 = _____

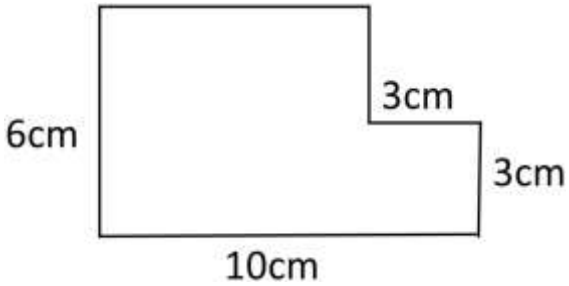
10. $\frac{2}{5} \times 2 =$

11. Write the next two numbers:
-23, -17, -11, ____, ____

12. 8 metres = _____ cm

13. What is the *perimeter* of this shape?

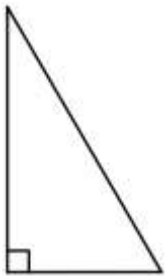
_____cm



14. What is the *area* of a square of side length 9mm?

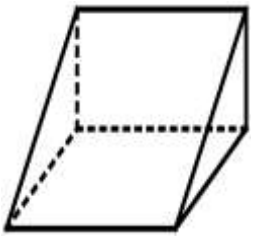
_____mm^2

15. Fully name this shape



_____

16. How many *faces* does this *triangular prism* have?



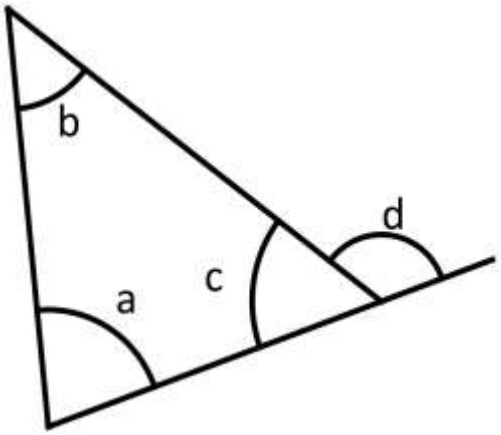
_____

17. The time taken, in seconds, for seven year 7 students to run 100m was recorded:
14, 15, 15, 16, 17, 17, 17
What was the *mode* run time of the seven students?

_____

Key Skills Total: _____ ***/ 17***

CURRENT WORK:



1. Are the following statements true or false for this diagram?

a. Angle **a** is an *obtuse angle*

b. Angles **a, b** and **c** add to 180°

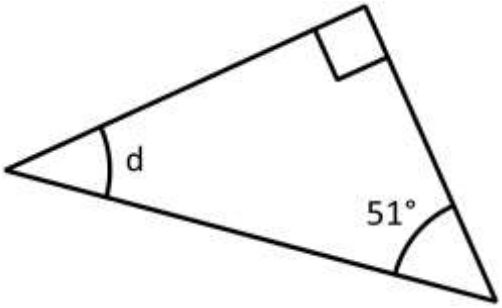
c. Angles **c** and **d** add to 180°

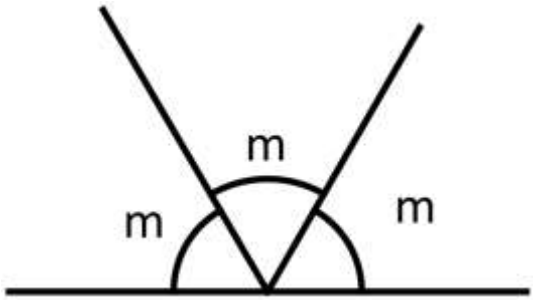
2. Are the following statements true or false ?

a. East is the opposite direction to West

b. Southeast is the opposite direction to Northwest

3. Give the size of each angle below (do **not** use a protractor) **and** state the reason for your answer. (One mark for each angle and reason)



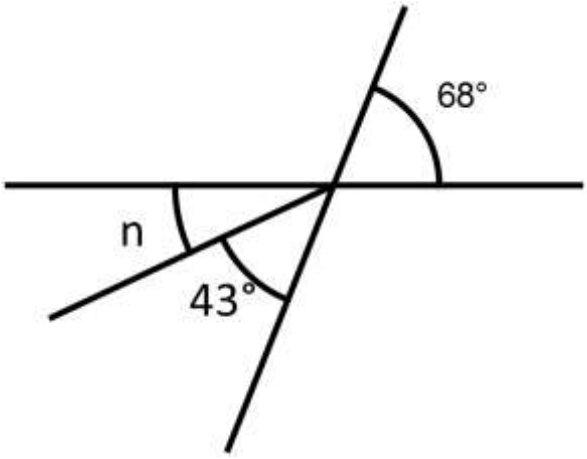


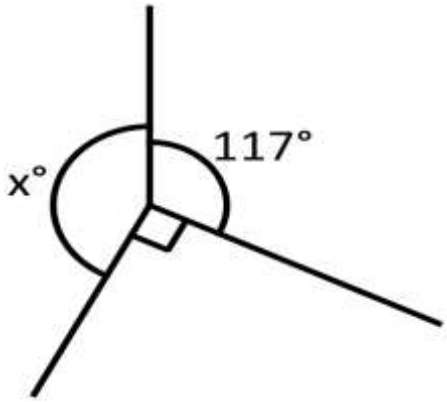
d = _____

Reason:

m = _____

Reason:





n = _____

Reason:

x = _____

Reason:

Current Work Total: _____ / ***13***

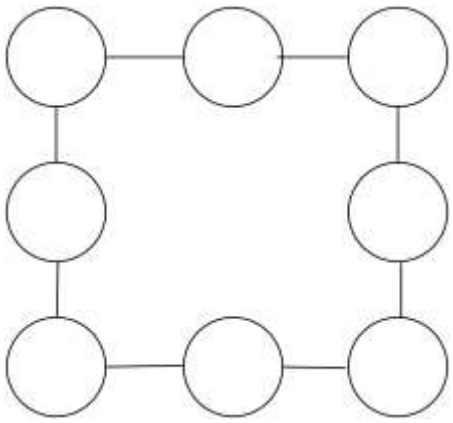
APPLICATIONS AND PROBLEM SOLVING

(Show your working to show how you solved these questions. One mark for working, one mark for the correct answer).

1. What two numbers *sum* to 54 and have a *difference* of 10?
Working:

Answer: The two numbers are ……. and ……..

2. Place the numbers 1 to 8 in the circles, so that the sum along each line is the same.
Working:



3. Paul is a Star Wars fan and collects cards of characters in the series.
He has less than 60 cards in total. If you divide the number of cards in his collection by 2, 3 or 4 there is a remainder of 1. If you divide the number by 5 there is no remainder. How many cards does Paul have in his collection?
Working:

Answer: Paul has ……. Cards in his collection.

*Applications and problem solving Total: _____ / **6***

Overall Total: ____+____ + ____ + ____ = ____ /51

Parent Signature: