

**TAURANGA GIRLS COLLEGE
YEAR 9 HOMEWORK SHEET**

Name: _____

Series B Sheet 4

Due Date: _____

TGC Values: Respect, Participation, Pride



1.

	30	40	41	21	11	29	48	57	64	97
+ 29										

2.

	70	80	50	88	58	78	92	65	57	74
- 28										

3.

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

4.

	15	10	30	25	60	35	40	55	45	50
÷ 5										

Use a numeracy strategy to complete these calculations:

5. $5 \times 46 =$

=

9. $60 \times 80 =$

6. $15 \times 60 =$

=

10. $5 \times 700 =$

7. $50 \times 26 =$

=

11. $60 \times 30 =$

8. $42 \times 5 =$

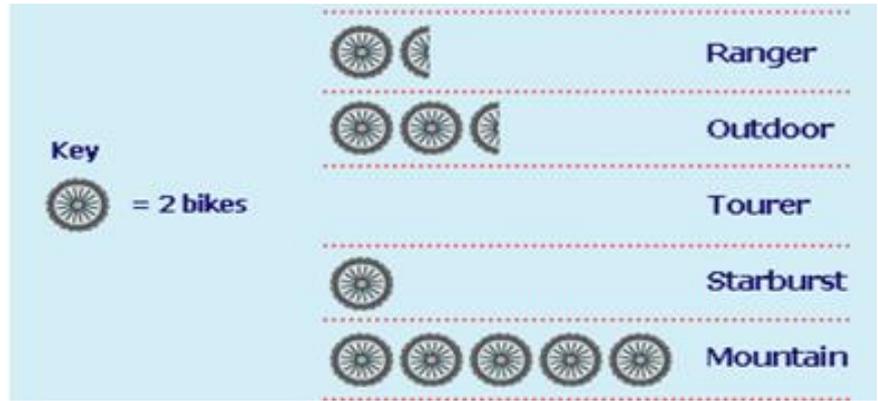
=

12. $200 \times 40 =$

Numeracy Total: _____ / **12**

KEY SKILLS:

1. The number of each type of bike in a bike shop is shown in this pictograph:



- How many ranger bikes were there?
- How many bikes were in the shop altogether?
- What fraction of the bikes are Mountain bikes?
- What is the most popular bike? Give a reason for your answer.

2. In the number 613.4 what digit is in the *tenths* column? _____

3. Round 0.712 to the nearest *tenth*

4. Insert < or > to make it a true statement:
0.46 _____ 0.49

5. Write 7 cubed using powers

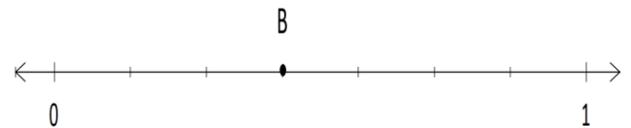
6. List all the multiples of 4 which are less than 25

7. List all the factors of 15

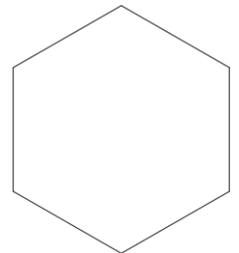
8. $7\frac{1}{2}$ m = _____ cm

9. Complete this equivalent fraction:
 $\frac{14}{20} = \frac{\quad}{10}$

10. What *fraction* is shown by the point B on the number line below?



11. Fully name this shape (all sides equal in length and angles the same size).



12. The total number of goals scored in 10 soccer games was: 0, 1, 1, 2, 2, 3, 3, 3, 4, 5
What was the *mean* number of goals scored in the ten games?

Key Skills Total: _____ / 15

CURRENT WORK:

1. Complete these calculations. Use the correct order of operations (BEDMAS).

a) $-5 + 8 =$

b) $-6 - 3 =$

c) $5 \times -6 =$

d) $-5 \div -5 =$

e) $5 + 7 \times 8 = 5 + \dots$
 $= \dots\dots\dots$

f) $(2 + 7) \times (5 - 2) = \dots\dots \times \dots\dots$
 $=$

g) $6 - 7 \times 5 = 6 - \dots\dots$
 $=$

h) $(-5 - 2) \times 5 =$
 $=$

2. Write down the next *two* terms for each pattern

a) 4, 7, 10,,

b) 1, 5, 25,,

c) 6, 4, 2,,

3. Write down the first four terms of the number pattern that follows the rule:
“Start with 6 and double to get the next number”

4. Using the first number and the rule given, write down the next *three* terms for each pattern

a) 4; “add 5”

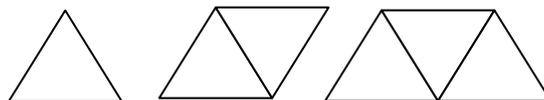
b) 5; “double”

c) 36; “halve”

d) 12; “subtract 5”

e) 3; “multiply by -2”

5. Matches are used to construct this pattern.



Copy and complete this table for the matches pattern:

Number of triangles, T	1	2	3	4	5	6
Number of Matches, M	3	5				13

Current Work Total: _____ / 18

APPLICATIONS AND PROBLEM SOLVING

These questions use the Problem Solving Skill *Make a List*

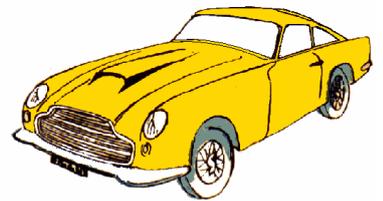
1. In the month of September this year the first Sunday is on the 2nd of September. If you add the numbers of the Sundays in September this year what total will you get?
Working:



Answer: The dates will total to ...

2. How many different two-digit numbers can be made using the digits 1, 2, 3, and 4? (Note: 12 is different to 21)
Working:

Answer: _____ different two-digit numbers



3. Louise and Murray own a fast, cool, racy two-seater car. They have five children. If either Louise or Murray have to drive, how many different arrangements of people could go for a journey on the car?
Working:

Answer: _____ different arrangements.

Applications and problem solving Total: _____ / 6

Overall Total: _____ + _____ + _____ + _____ = _____ / 51

Parent Signature: