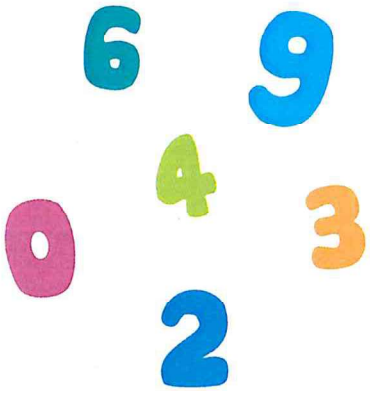
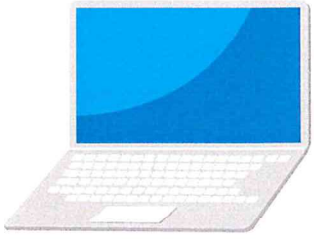
MATHS TASKS

1. Shinji is 182 cm tall. Jane is 169 cm tall. If Brian is 15 cm taller than Jane, what is the combined height of all three people?

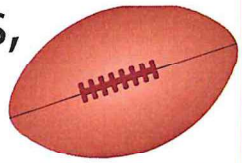
2. What is the difference between the largest and smallest number that can be made with the digits 6, 4, 9, 3, 0, 2?



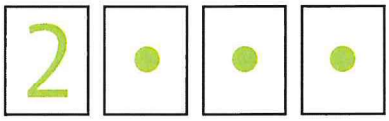
3. Janine wanted to buy a new laptop. The laptop costs $1299, but has been reduced by $249. If Janine has $3423 in savings, how much money will she have left after she purchases the discounted laptop?



4. The red team played five games of football. They lost the first game 1-3. They won the second and third games 2-1 and 4-0 respectively. The fourth game was a 2-2 draw. If they scored 12 goals and conceded 7 over the five games, what was the score of the last game?



5. Mohammad has forgotten his password! He knows the first number and had written down sums to calculate the other three numbers. The third number equals the second number plus the first. The fourth number equals the third number minus 2. The second number equals the first number plus 4. If the first number is 2, what is the password?



6. In a game of darts, my opponent had scored 321 points. I was 126 points behind my opponent and then scored the following points: 60, 6, 5, 3, 18, 5, 14, 22. Am I winning or losing?

Subtracting 4-Digit Numbers With Exchanging

LO: I can subtract with 4-digit numbers

1 7894 − 3918 =	**2** 7425 − 6773 =	**3** 9882 − 6443 =	**4** 6746 − 5816 =
5 6873 − 5175 =	**6** 7043 − 5878 =	**7** 7861 − 7200 =	**8** 9803 − 1985 =
9 7327 − 5309 =	**10** 7178 − 2906 =	**11** 5637 − 4447 =	**12** 2877 − 2498 =
13 7450 − 3219 =	**14** 7723 − 6962 =	**15** 6527 − 4450 =	**16** 5568 − 2319 =

Challenge:

1 9_45 − _5_6 = 171_	**2** 26_5 − 1_6_ = _368	**3** _5_7 − 2_2_ = 4971	**4** 2__8 − _63_ = 1075

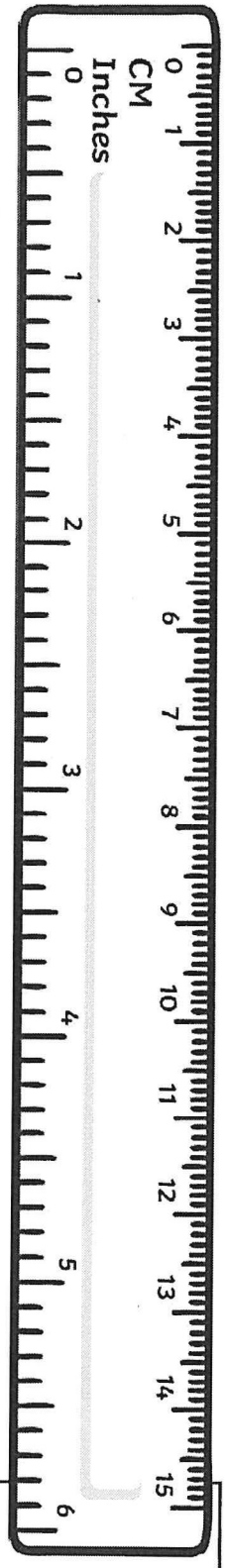
Draw and Measure Lines

Amazing Fact

A pencil has the potential to draw a line 38 miles long.

Challenge

Using a ruler and a pencil, draw lines the lengths stated in the boxes below.



2cm
5cm
10cm
4cm
6.5cm
3.5cm
9.5cm

You could also try to find out:

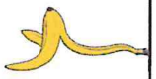
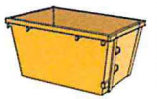
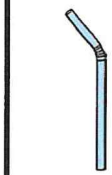
- what the longest line ever drawn was;
- when the pencil was invented;
- whether the pencil or the rubber came first;
- how a pencil is made.

Count and Graph

Count the objects and colour a box for each item.

Count and Graph

Count the objects and colour a box for each item.

12												
11												
10												
9												
8												
7												
6												
5												
4												
3												
2												
1												
												

Adding 4-Digit Numbers with Regrouping

LO: I can add 4-digit numbers with regrouping.

1 4078 + 7806 =	**2** 3020 + 7033 =	**3** 8389 + 2094 =	**4** 1938 + 8398 =
5 8784 + 9969 =	**6** 8580 + 1887 =	**7** 9771 + 8489 =	**8** 5602 + 9250 =
9 2851 + 2330 =	**10** 8976 + 7249 =	**11** 6942 + 3220 =	**12** 7238 + 5733 =
13 4265 + 8270 =	**14** 8811 + 2787 =	**15** 1899 + 8179 =	**16** 6073 + 6379 =

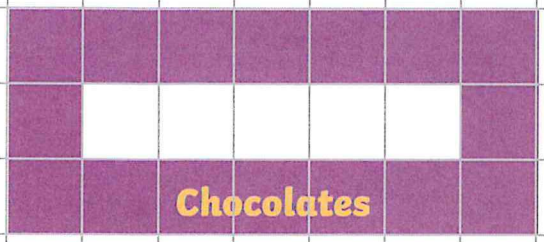
Challenge:

1 2_32 + 31_2 = _28_	**2** 96__ + 6_80 = __197	**3** 25_7 + _39_ = 7_65	**4** 8_2_ + _060 = _08_1

Measuring Area of Chocolate Boxes

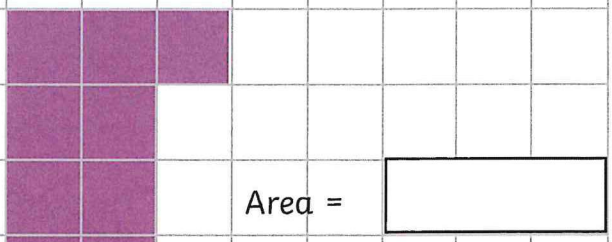
Find the area of the chocolate boxes and record your answers

1.



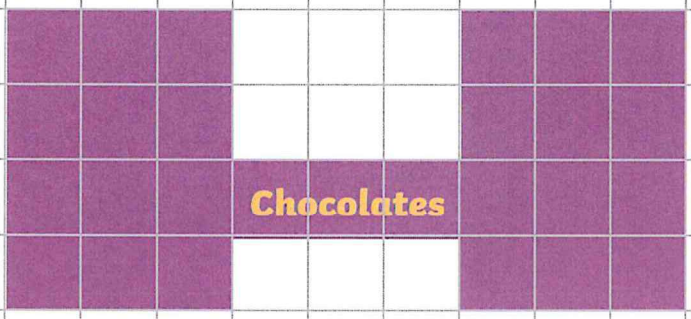
Area =

2.



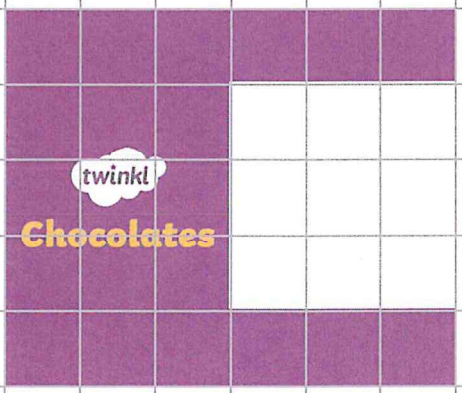
Area =

3.

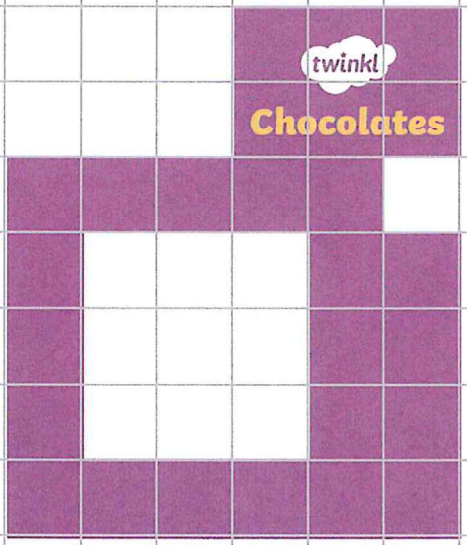


Area =

4.



5.



Area =

Measuring Area of Chocolate Boxes **Questions**

1. What is the area of chocolate box number 4?

2. Which chocolate box has the largest area?

3. Which chocolate box has the smallest area?

4. What is the difference in area between chocolate box number 1 and 2?

5. What is the difference in area between chocolate box number 3 and 5?

6. What is total area of all the chocolate boxes together?

7. Which box of chocolates would you want to eat and why?

Open Ended Chance Experiment

1. What is your chance experiment?

2. Time to try it out! Record your results here:

3. Use this table to organise the data you collected.

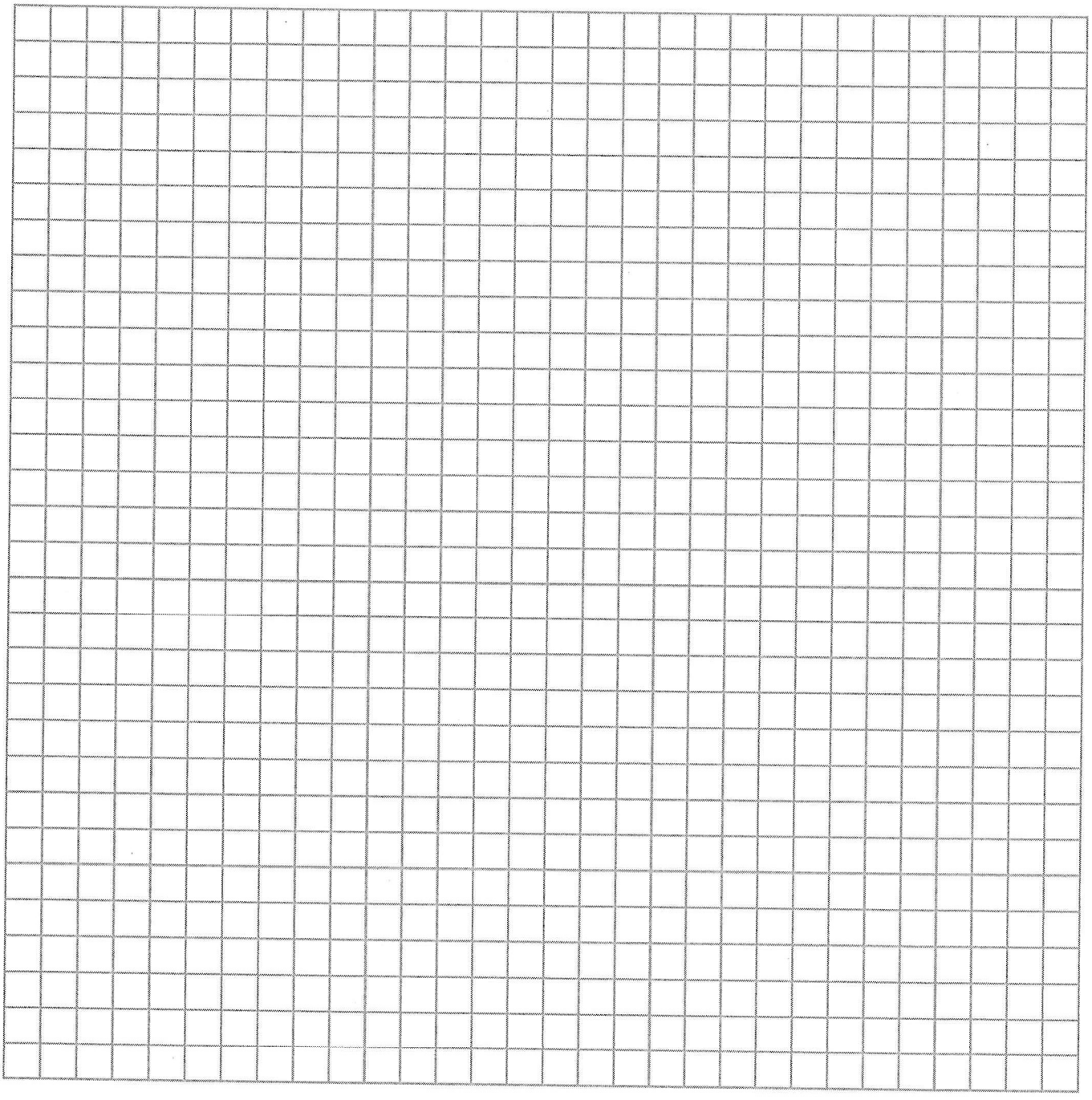
Title:									
Results:									
Total:									

4. Tick which graph you would like to use to display your results:

☐ Picture Graph ☐ Column Graph ☐ Pie Graph

☐ Line Graph ☐ Something else? Write it here: _____

5. Using the data you collected, draw your graph below.



6. Write three things that you discovered when collecting and graphing this data.

   1. _____

   2. _____

   3. _____

7. What would you do differently next time you collect data?

_____

_____

_____

_____

_____

8. Explain why you think this was or wasn't the best graph to use for your data.

_____

_____

_____

_____

_____

9. Extension question. How could you change your experiment so that you could cheat or predict the results everytime?

_____

_____

_____

_____

_____

Koalas

Koalas are native to the east coast of Australia, throughout Queensland, New South Wales and Victoria. Although koalas are marsupials, early European settlers thought they were bears and named them 'koala bears'. Koalas mainly eat eucalyptus leaves. They can eat up to 1kg of leaves a day and they are fussy about which leaves they eat, choosing only the tastiest. When they are not eating, koalas love to sleep, sometimes for up to 18 hours a day!

Koalas