Final Countdown Foundation Revision Mat 1

1) Calculate the **mean**, **median**, **mode** and **range** from the following list of numbers.

5, 12, 10, 8, 13, 12, 7, 12, 11

2) Calculate the **nth term rule** of the sequence.

2, 5, 8, 11, 14 …

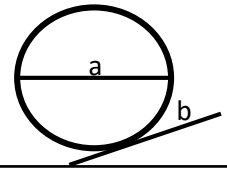
3) Expand and Simplify

$4(x-3)-2(x-9)$

4) Work out

$\frac{2}{5}$ of £140

5) Name the parts of the circle a and b.

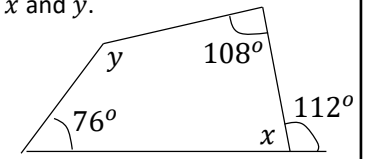


6) Evaluate

$5+\ -9$

$18 \div -6$

7) Calculate the missing angles x and y.



8) Place the following numbers in ascending order.

1.02, 0.4, 1, 0.04, 0.24, 0.042

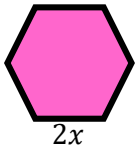
9) Solve

$4(x-5)=12$

10) Complete the following sentence with either; Impossible, unlikely, even, likely or certain.

Abdullah rolls a dice. It is _____ he will roll a six.

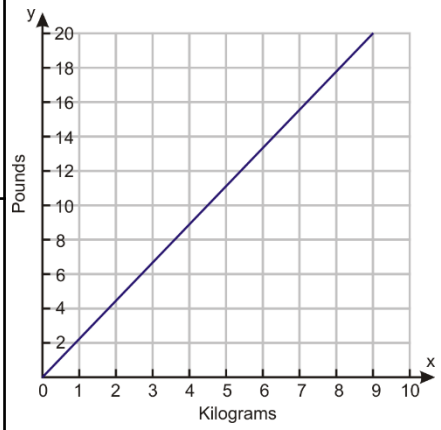
11) Write a formula for the perimeter of the regular shape.



12) 657 passengers paid £247 each for a cruise on a small cruise ship.
Estimate the amount paid by the passengers in total.

13) A shop has a 15% sale. Originally a computer cost £275. How much does the computer cost in the sale?

14)



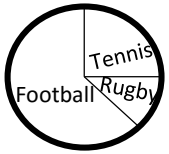
Brittney weighs a car on a set of industrial scales.

It weighs 900kg.

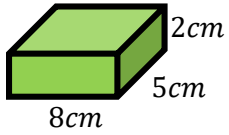
Estimate the cars weight in pounds.

15) The area of a rectangle is $48\ cm^2$. What is the difference between the smallest and largest perimeter the shape could have?

16) A sample of boys were asked their favourite sport. 45 boys said tennis. How many boys were in the sample in total?



17) Draw the net of the cuboid on cm squared paper.



Challenge

Georgia and Courtney share sweets in the ratio 4: 7.
Courtney gets 24 more sweets than Georgia.
How many sweets do they both get?