Homework 18

Hand in: _____

Do not use a calculator for questions 1-6. You must show all your working out where the question number is **underlined**. For these questions stating an answer without showing a written method will not score a mark.

1. Seven ninths of an amount is 42. What is the amount?	**2.** Calculate the product of 3.7 and 1.6.
3. Expand the brackets and simplify; x(2x + 3) + 3x(2x + 7)	**4.** 14 out of 60 people prefer English. What angle should represent them on a pie chart?

5. Write 0.012 as a fraction in its simplest form	6. Write these numbers in ascending order. $$0.64, \quad \frac{3}{8}, \quad 47\%$$
7. Increase 750 by 85%	8. Reflect the shape in the mirror line.
9. Complete the sets of coordinates using the equation $y = x^3$ (2,____) (____,64)	10. Calculate the midpoint of 241 and 259.
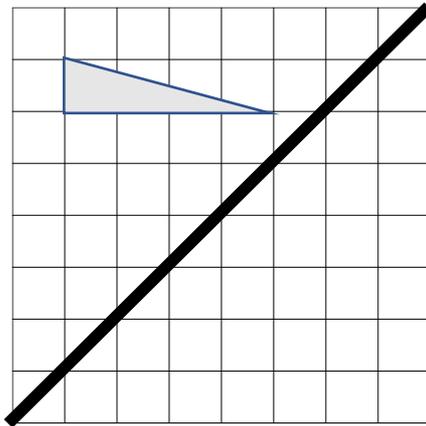
Gold:

Pie Charts
Fill in the gaps in the table below:

Colour	Frequency	Angle
Red	18	
Blue		
Black	48	128°
White		80°
Total	135	

Silver:

Calculate the angles required to draw a pie chart for the information in the table below;

Lunch	Frequency	Angle
Sandwich	21	
Pasta	12	
Jacket Potato	18	
Salad	9	
Total	60	

Bronze:

360 ÷ _____ = 180   360 ÷ _____ = 90

360 ÷ _____ = 10   360 ÷ _____ = 40

360 ÷ _____ = 6   360 ÷ 8 = _____

360 ÷ 12 = _____   360 ÷ _____ = 15

¾ x 360 =   ⅝ x 360 =

Seven tenths of 360 =

Four ninths of 360 =