Homework 20

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. Calculate $\dfrac{7}{8}$ of 720	**2.** Calculate 32% of 80
3. Expand and simplify; 5(2a + 5) - 7	4. How many months of the do not have a letter y in them?

5.

$$15.7 \times 6 =$$

6.

$$0.45 \div 4 =$$

7. Complete the set of coordinates using $y = x + 8$

x	0	1	2	3
y				

(0, __) (1,__) (2, __)

(3,__)

8. What is the order of rotational symmetry for this shape?

9. 32 out of 120 people prefer ice cream. What angle should represent them on a pie chart?

10. How many litres are equal to 2750ml?

Gold:

Complete the table of values; give fractions in their simplest form.

Fraction	Decimal	Percentage
	0.725	
		17.5%
$\dfrac{71}{250}$		
	0.048	
		53.5%
$\dfrac{63}{125}$		
	0.744	

Silver:

Cancel down these fractions, giving the answers in their simplest form:

1.) $\dfrac{5}{10} =$

6.) $\dfrac{5}{40} =$

2.) $\dfrac{6}{8} =$

3.) $\dfrac{9}{12} =$

4.) $\dfrac{4}{20} =$

5.) $\dfrac{8}{40} =$

7.) $\dfrac{12}{30} =$

8.) $\dfrac{8}{24} =$

9.) $\dfrac{9}{26} =$

10.) $\dfrac{25}{125} =$

Bronze:

Change the following decimals to percentages and fractions.

Decimal	Percentage	Fraction
0.7		
0.1		
0.05		
0.35		
0.55		
0.95		
0.85		