

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.

<p><u>1.</u> Three quarters of an amount is £3.60. What is the amount?</p>	<p><u>2.</u> Calculate the product of 3.8 and 6.5.</p>
<p>3. Expand the brackets and simplify $(x + 5)(x+1)$</p>	<p><u>4.</u> 32 out of 120 people prefer ice cream. What angle should represent them on a pie chart?</p>

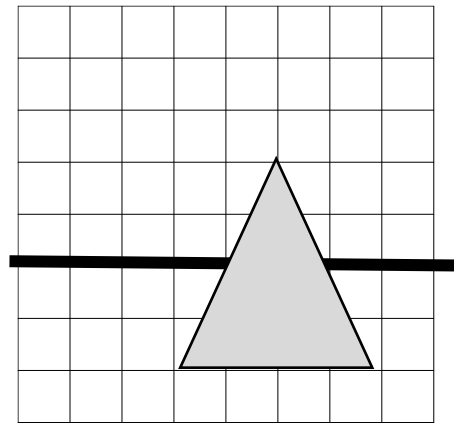
5. Write 0.375 as a fraction in its simplest form

6. Write these numbers in ascending order.

17.5%, 0.71, $\frac{17}{75}$

7. Increase 560 by 12.5%

8. Reflect the shape in the mirror line.



9. Complete the sets of coordinates using the equation $y = 10 - x$

(4, _____) (_____, 3)

10. Calculate the midpoint of 3525 and 475.

Gold:

Which would you prefer to have?

12.5% of £1600

$\frac{1}{8}$ of £1600

Explain your answer.

.....
.....

Use your answer to help you to work out

37.5% of £1600

32.5% of £1600

37.5% of £4800

Silver:

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

Fraction	Decimal	Percentage
	0.725	
		17.5%
$\frac{71}{250}$		

	0.048	
		53.5%
$\frac{63}{125}$		
	0.744	

Bronze:

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

$$1.) \quad \frac{5}{10} = \qquad 6.) \quad \frac{5}{40} =$$

$$2.) \quad \frac{6}{8} = \qquad 7.) \quad \frac{12}{30} =$$

$$3.) \quad \frac{9}{12} = \qquad 8.) \quad \frac{8}{24} =$$

$$4.) \quad \frac{4}{20} = \qquad 9.) \quad \frac{9}{26} =$$

$$5.) \quad \frac{8}{40} = \qquad 10.) \quad \frac{25}{125} =$$

