



Candidate Name	
Current School	

Mathematics - Sample Assessment

Removes Main Examinations

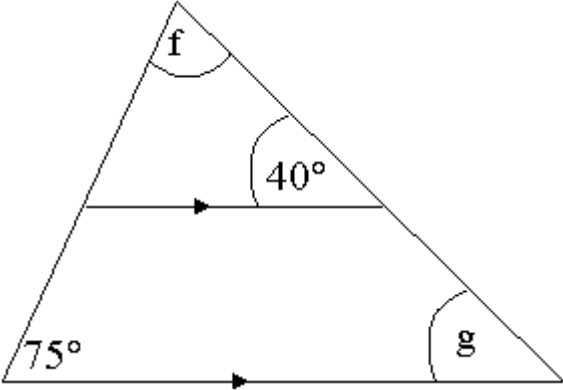
Time allowed: 50 minutes

Please read this information before the examination starts

- ANSWER ALL QUESTIONS
 - Please write your solutions on the question paper and, where relevant, in the designated space.
 - CALCULATORS ARE NOT PERMITTED
 - You will need a compass, ruler, pencil and protractor to complete the paper.
-

In this section, you just need to provide the answer which should be written in the column on the right:

What is $11 - 2 + 7 - 4 + 2$?	
What angle does the minute hand of a clock turn through when it moves from 5 to 8?	
$0.64 \times 10 =$	
How many millimetres are there in 2 metres?	
Solve $5x + 1 = 16$	
$0.2 \times 7 =$	
Write $\frac{21}{4}$ as a mixed number	
Calculate $0.45 + 1.02 + 3.003$	
What shape has four equal sides and no right-angles?	
$15 \div 0.05 =$	
Write 0.45 as a fraction in its simplest terms	

	<p>What is the size of the angle f?</p>	
	<p>What is the size of the angle g?</p>	
<p>11.38 ÷ 100</p>		
<p>If the area of a square is 64cm², what is its perimeter?</p>		
<p>Solve $y - 3 = -10$</p>		
<p>If 3 men take 30 days to build a house, how long would it take 2 people, if they all work at the same rate?</p>		
<p>$2 + 3 \times (3 + 2) =$</p>		
<p>Write $5\frac{6}{7}$ as an improper fraction</p>		
<p>Solve $\frac{v}{3} = 6$</p>		

In this section, your calculations are as important as your answers. Correct answers without the appropriate working will not score full marks

1. Add together 'four hundred and seventy five' and 'one hundred and thirty eight.'

Answer _____
(2)

2. Calculate 345×76

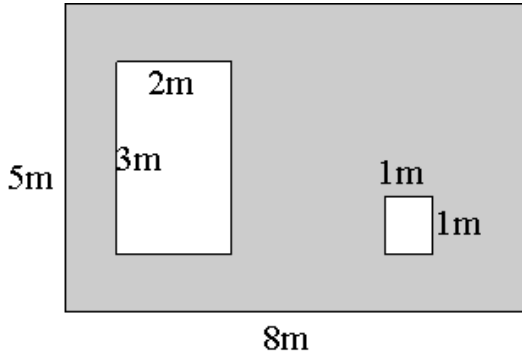
Answer _____
(2)

3. Arrange the following numbers in order (smallest to largest) showing clearly your method.

$$\frac{19}{24}, 0.8, \frac{5}{6}, 0.099$$

Answer _____
(3)

4. Calculate the shaded area of the shape below, giving your final answer in metres squared. (Diagram is not to scale)



Answer _____ m²
(2)

5. Calculate the following, leaving your answers in their simplest form:
(Note: this means a mixed number if appropriate)

a) $\frac{5}{7} - \frac{2}{3}$

Answer _____
(2)

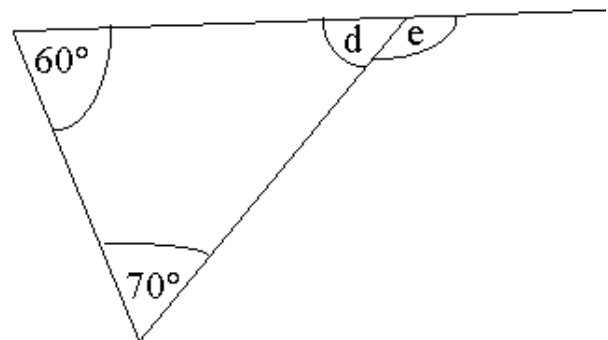
b) $\frac{4}{7} \times \frac{5}{8}$

Answer _____
(2)

c) $3\frac{1}{3} \div 1\frac{1}{4}$

Answer _____
(3)

6. Determine the size of the angles represented by letters, giving reasons:



d = _____ because _____

e = _____ because _____

(2)

7. a) Use a compass, ruler and pencil to construct triangle ABC in which
AB = 6cm, BC = 8cm and AC = 10cm

(3)

b) Measure all the angles and write in all the measurements on your drawing.

(2)

c) What type of triangle is ABC?

(1)

8. Divide 5435 by 24 and give the remainder

Answer: _____ remainder _____
(3)

9. What is $\frac{8}{11}$ of £1.54

Answer _____
(2)

10. Solve the following equations

a) $5 - 3w = w + 21$

Answer _____
(2)

b) $19z + 2z - 11z - 8z + 2 = 22$

Answer _____
(2)

11. Calculate

a) $(5 + 3) \times 2 + 10 \div (8 - 3)$

Answer _____
(2)

b) 0.06×0.003

Answer _____
(2)

12. Calculate $4\frac{1}{3} - 1\frac{1}{2} + 2\frac{1}{4}$

Answer _____
(3)

The exam finishes with 5 questions which require thinking but not any further curriculum to have been covered.