

JUNE EXAMS

TERM 2 EXAMS

EXAM
MATHEMATICS JUNE PAPER 1
TIME : 1 ½ HOURS
TOTAL : 75 MARKS

Instructions

- Put your name on your paper.
- Read carefully and answer all questions.
- Number all questions exactly as they are numbered in this question paper.
- Write neatly and legibly.
- Show all working out.
- Check your work!

Question 1

1.1. Consider the number 17.
1.1.1. List the factors of 17.
1.1.2. Is 17 a prime number or a composite number?

1.2. Consider the numbers 3 600 and 1 296.
1.2.1. Write 3 600 as a product of its prime factors.
1.2.2. Write 1 296 as a product of its prime factors.
1.2.3. Determine the HCF of its prime factors.
1.2.4. Determine the LCM.

Question 2
Simplify, leaving in exponential form where necessary.

2.1. $(-2) \times (-1) - (-3) \times (-4) - (-8) \div 2$
2.2. $3(2 - 7) + 7(3 - 8) - 2(6 - 9)$
2.3. $2(-5 + 1 - 3 \times 5) - (-3 + 2 \times 2 - 3 \times 5)$
2.4. $(4 - 5 \times 2 - 3) \div (3 \times 3 - 6 \times 2) + 2(3 \times 2 - 2 \times 4)^2$
2.5. $\sqrt{0,0144}$
2.6. $(1\frac{2}{3})^2$

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