



TOM NEWBY SCHOOL
GRADE 6 MATHEMATICS



JUNE 2021

Subject	MATHEMATICS	Examiners	MS L RATERING, MRS P SINGH AND MRS M FOURIE
Date	JUNE 2021	Total marks	50
Term	1	Duration	60 minutes
Grade	6	Moderator	MRS M FOURIE
Instructions	1. Read each question carefully before answering. 2. Answer all questions neatly. 3. Show all your working out where necessary. 4. No technology of any kind may be used during the test.		

Name:	Surname:	Class:
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QUESTION 1: MENTAL MATHS

(10)

- 1.1 Half of 350 is _____
- 1.2 A third of 939 = _____
- 1.3 $11 \times 12 =$ _____
- 1.4 $120 - 21 =$ _____
- 1.5 $1505 \div 5 =$ _____
- 1.6 $1000 - 100 = 9 \times$ _____
- 1.7 $(5 \times 5) + 5 = 40 -$ _____
- 1.8 42 halved = _____ tripled
- 1.9 $36 = (18 \times 2) +$ _____
- 1.10 $11 \times 11 =$ _____ +11.

QUESTION 2: WHOLE NUMBERS

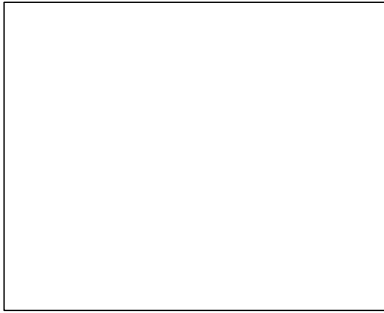
(8)

Solve:

2.1. $3\ 461\ 233 + 108\ 779$ **(2)**

2.2. $1\ 000\ 000 - 306\ 825$ **(2)**

2.3. 437×218 (2)

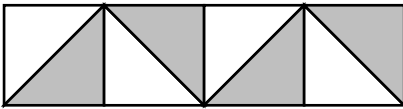


2.4. $462\,110 \div 25$ (2)

**QUESTION 3: FRACTIONS**

(10)

3.1. What fraction of this shape has been shaded?



_____ (1)

3.2. $\frac{1}{4}$ of 32 = _____ (1)

3.3. $\frac{4}{5} + \frac{2}{5} =$ _____ = _____ (1)

3.4. $1\frac{3}{8} - \frac{6}{8} =$ _____ = _____ (2)

Simplify:

3.5. $\frac{10}{20} =$ _____ (1)

3.6. $\frac{14}{42} =$ _____ (1)

Give the equivalent fraction for:

3.7. $\frac{9}{27} = \frac{3}{\quad}$ (1)

3.8. $\frac{12}{60} = \frac{\quad}{5}$ (1)

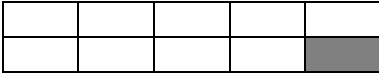
3.9. Compare, using $>$ $<$ or $=$: $\frac{1}{4}$ of 40 _____ $\frac{1}{5}$ of 50. (1)

QUESTION 4: DECIMALS**(13)**

4.1. Give the place value of the underlined digit:

14,627 _____ (1)

4.2. What part of this shape is shaded? Write it as a decimal.



_____ (1)

4.3. Write $\frac{1}{25}$ as a decimal and a percentage.

_____ ; _____ (2)

4.4. Write 36% as a fraction and a decimal.

_____ ; _____ (2)

4.5. Compare, using > < or = :

0.07 _____ 0.7 (1/2)

0.2 _____ 0.199 (1/2)

4.6. Add 14,621 and 7,927

4.7. Subtract 0,008 from 11,421

4.8. $\frac{1}{8} = \left(\frac{\quad}{100}\right) = \text{_____}\%$ (2)

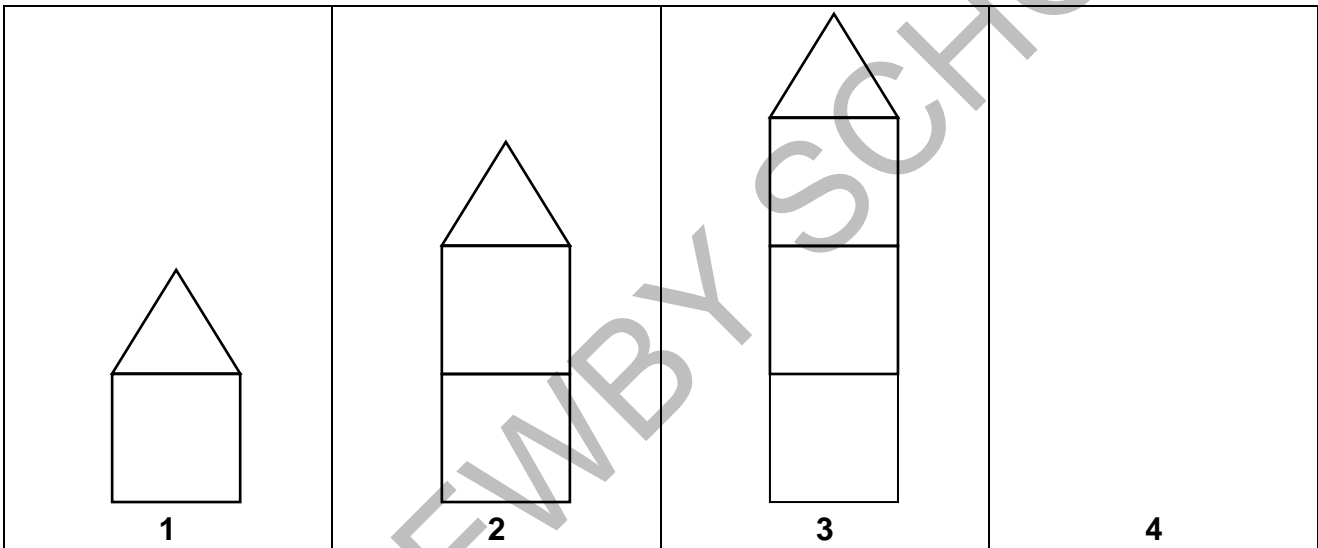
QUESTION 5: NUMBER PATTERNS**(5)**

- 5.1. 12; 24; 36; _____; _____
- 5.2. 2; 6; 18; _____; _____
- 5.3. 1; 3; 5; 7; 9; _____; _____
- 5.4. 2; 3; 5; 7; 11; 13; _____; _____
- 5.5. 0,2; 0,4; 0,6; 0,8; _____; _____

QUESTION 6: GEOMETRIC PATTERNS**(4)**

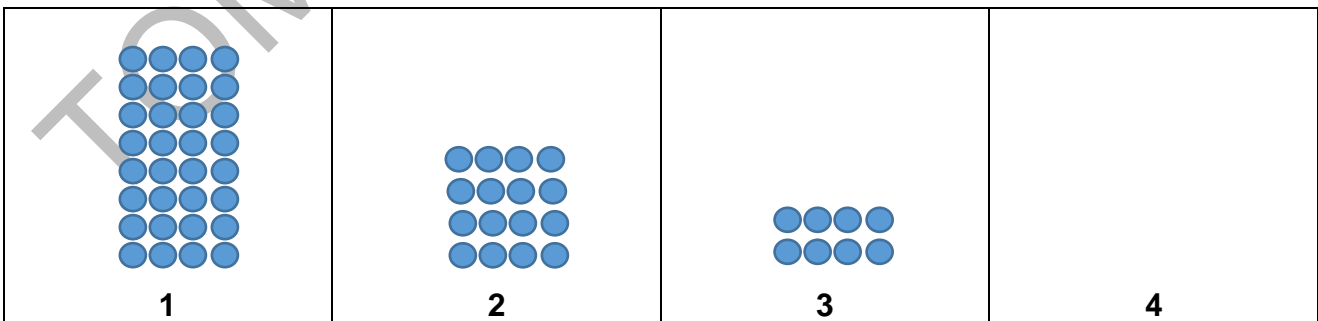
Draw the next pattern and give the rule.

6.1.



Rule: _____ (2)

6.2.



Rule: _____ (2)

TOTAL: 50

PERFORMANCE ANALYSIS
GRADE 6 MATHEMATICS JUNE 2021
 (For teacher use only)

NAME: _____ SURNAME: _____ CLASS: 6 _____

QUESTION	1	2	3	4	5	6	TOTAL
DESCRIPTION	MENTAL MATHS	WHOLE NUMBERS	FRACTIONS	DECIMALS	NUMBER PATTERNS	GEOMETRIC PATTERNS	
Possible marks	10	8	8	13	5	4	50
Learner's Mark							
Moderator's Mark							