



Subject: Grade 6 Mathematics
Topic: Mathematics: Term 1 - Mini-Exam
Total: 82 Marks

Name: _____

Date: _____

Question 1: True/False

2 marks

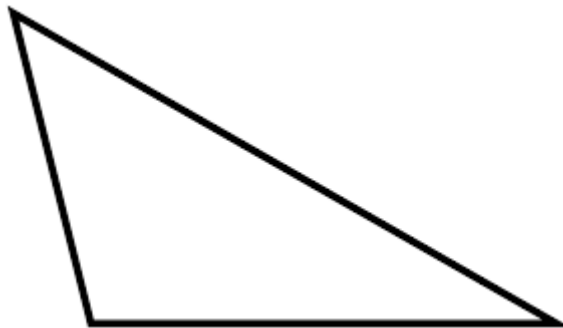
The rule for the following pattern is 'add 25':

125; 250; 375; 500; 625; ...

TRUE

FALSE

This image refers to question: 2



Question 2: True/False

2 marks

A **scalene triangle** has 2 equal sides and 2 equal angles.

TRUE

FALSE

This image refers to question: 3





Question 3: Please Fill In The Blanks

4 marks

Half past one in the afternoon, on the 12 hour clock is (1) and on the 24 hour clock is (2) .

Possible Answers: 01:30 | 13:30 | 01:30 p.m. | 13:30 p.m.

1	
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2	
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Question 4: Please Fill In The Blanks

4 marks

The weight of 11 twelve year old children is recorded below:

40 42 44 41 39 47 45 50 44 42 44

The mode for this set of numbers is (1) .

The median for this set of numbers is (2) .

Possible Answers: 40 | 42 | 44 | 50

1	
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2	
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Question 5: Text Input

3 marks

The sum of four numbers is 12 755. Three of the numbers are 4 589; 2 671 and 3 400.

What is the fourth number?

You may use your calculator.

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Question 6: Multiple Choice

4 marks

During a rugby match, Samuel scores 4 tries, Eli scores twice as many tries as Samuel and George half the tries that Samuel scored. How many tries did these rugby players score altogether?

The number sentence to solve this word problem is

- | | |
|----------|--|
| A | $x = 4 + 2 \times 4 + \frac{1}{2} \text{ of } 4$ |
| B | $x = 4 + 2 + \frac{1}{2} \text{ of } 4$ |
| C | $x = 4 + 2x + \frac{1}{2} \text{ of } 4$ |
| D | $x = 4 + 2 + \frac{1}{2}$ |

Question 7: Please Fill In The Blanks

4 marks

An aeroplane leaves Cape Town International Airport at 08 : 55 and lands at OR Tambo International Airport at 10 : 10.

The journey takes (1) hours and (2) minutes.

Possible Answers: 2 | 3 | 10 | 15

1	
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2	
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Question 8: Multiple Choice

4 marks

$$2\frac{5}{6} + 1\frac{1}{3} =$$

Give your answer in the simplest form.

A	$6\frac{1}{6}$
B	$5\frac{2}{6}$
C	$4\frac{1}{6}$
D	$3\frac{7}{6}$

Question 9: True/False

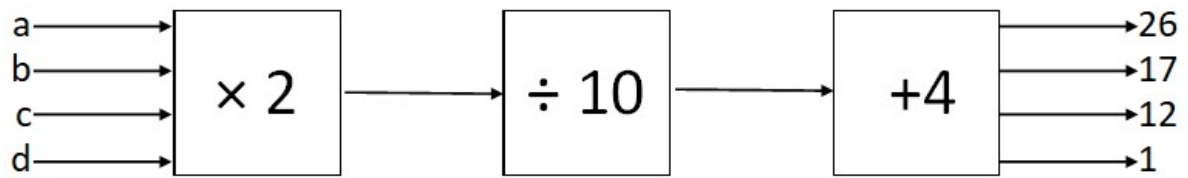
2 marks

48 326 rounded off to the nearest thousand is 49 000.

TRUE

FALSE

This image refers to question: 10



Question 10: True/False

2 marks

The input at c is 40.

TRUE

FALSE

Question 11: Multiple Choice

4 marks

Choose the correct number sentence for the following:

Twice a number decreased by 14 is equal to 30.

A $2x + 30 = 14$

B $2x - 30 = 14$

C $2x + 14 = 30$

D $2x - 14 = 30$

Question 12: Text Input

3 marks

Kian received R300 for winning a competition at school. He bought his mom a chocolate which cost R12 and a cooldrink for his brother and himself at R10, 50 per cooldrink.

How much money did he have left to spend on lego pieces.

Question 13: Multiple Choice

4 marks

Arrange these fractions from the smallest to the biggest:

$$\frac{3}{4}; \frac{2}{6}; \frac{2}{3}; \frac{1}{4}$$

A	$\frac{1}{4}; \frac{2}{3}; \frac{2}{6}; \frac{3}{4}$
B	$\frac{1}{4}; \frac{2}{6}; \frac{2}{3}; \frac{3}{4}$
C	$\frac{3}{4}; \frac{2}{3}; \frac{2}{6}; \frac{1}{4}$
D	$\frac{2}{3}; \frac{1}{4}; \frac{3}{4}; \frac{2}{6}$

Question 14: True/False

2 marks

If the multiplicand of a multiplication sum is 8 and the quotient is 72, the multiplier is 9.

☐ TRUE☐ FALSE**Question 15: Please Fill In The Blanks**

4 marks

Choose the correct number sentence and the answer for the following:

Find the quotient of 72 and 8 and then subtract 8.

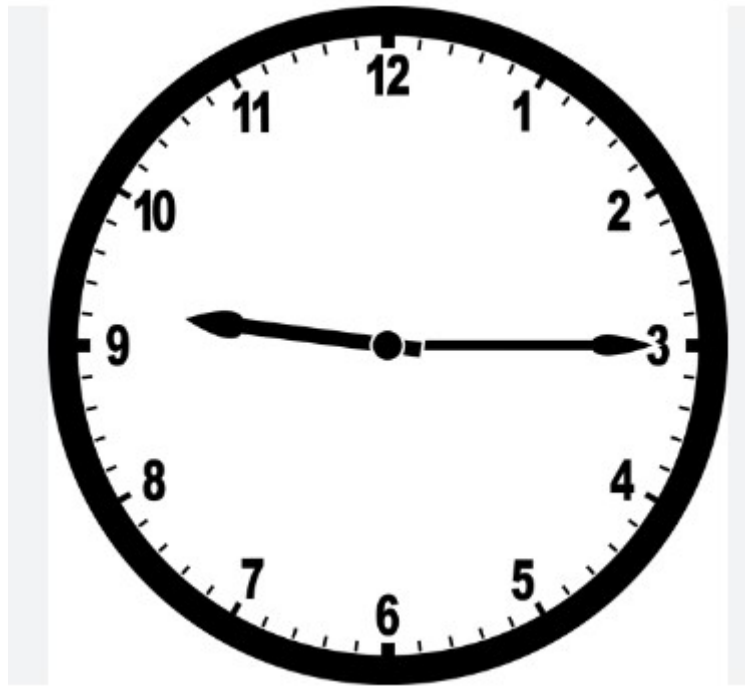
The number sentence is (1) and the answer is (2) .

Possible Answers: $x = 72 \div 8 - 8$ | $x = 72 - 8 \div 8$ | 1 | 8

1	
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2	
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This image refers to question: 16



Question 16: Text Input

3 marks

This clock shows the time **in the morning** in New York. Cape Town is 6 hours ahead of New York time.

The time in Cape Town is

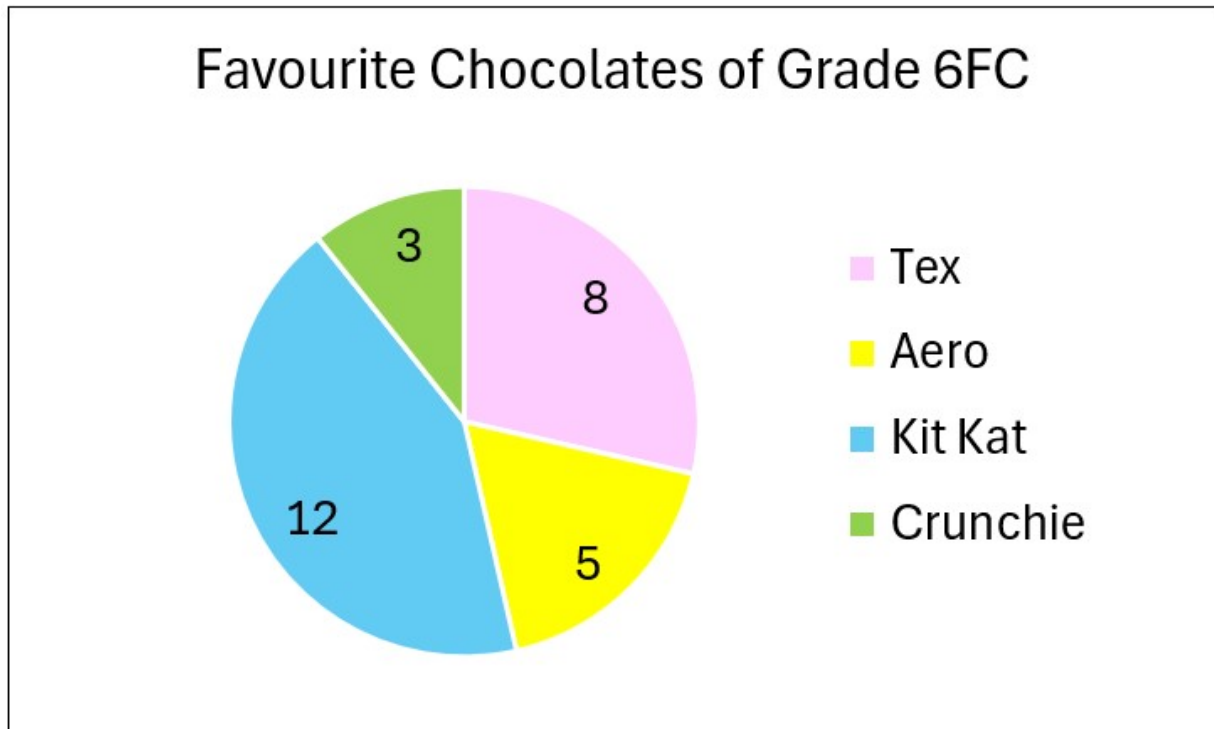
Give your answer in 24 hour time.

Question 17: Text Input

3 marks

The **value** of the 6 in the number 468 239 is

This image refers to question: 18



Question 18: Please Fill In The Blanks

6 marks

The most popular chocolate in Grade 6FC is the (1) and the least popular chocolate is the (2) .

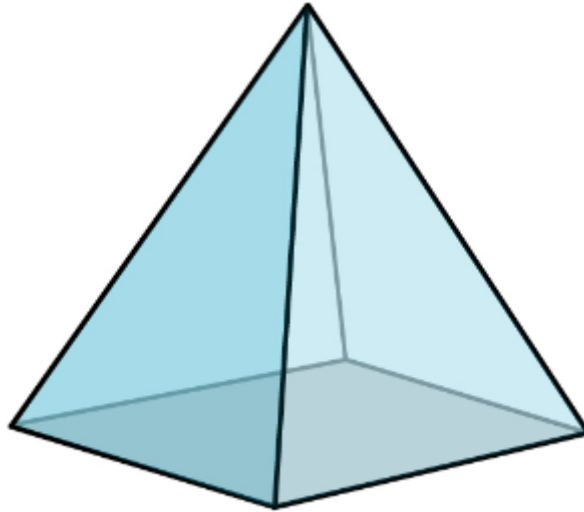
Altogether there are (3) children in the class.

Possible Answers: Tex | Aero | Crunchie | Kit Kat | 26 | 28

1	
3	

2	
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This image refers to question: 19



Question 19: Multiple Choice

4 marks

I have 1 flat square face and 4 triangular faces.

What shape am I?

- | | |
|----------|----------------------|
| A | Triangular pyramid |
| B | Hexagonal pyramid |
| C | Square based pyramid |
| D | Pentagonal pyramid |

Question 20: True/False

2 marks

The comparison between the two numbers below is correct:

725 614 > 724 614

TRUE

FALSE

Question 21: True/False

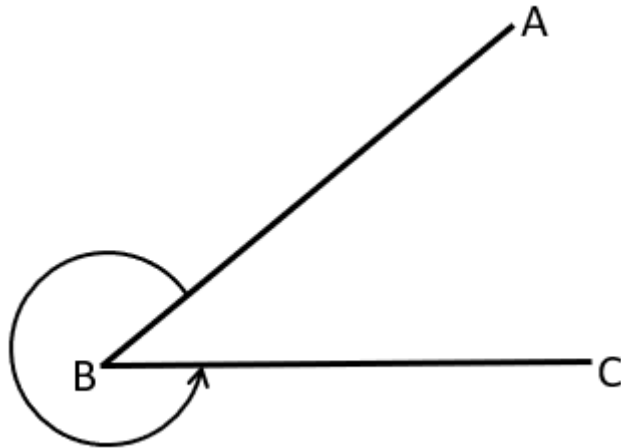
2 marks

$$\frac{9}{12} = \frac{3}{6}$$

TRUE

FALSE

This image refers to question: 22



Question 22: Please Fill In The Blanks

4 marks

$\angle ABC$ is (1) angle, while the corresponding angle is (2) angle.

Possible Answers: an obtuse | a reflex | an acute | a right angle

1	
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2	
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Question 23: Multiple Choice

4 marks

To calculate $\frac{3}{8}$ of 64, you need to do the following:

- | | |
|----------|------------------------|
| A | $64 \div 3 \div 8$ |
| B | $64 \div 8 \times 3$ |
| C | $64 \times 8 \times 3$ |
| D | $64 \div 3 \times 8$ |

Question 24: Text Input

3 marks

6 thousands + 3 hundreds + 2 units =

This number sentence represents the number

(Type the number only)

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Question 25: Text Input

3 marks

The sum of three consecutive numbers is 129.

The first of the three numbers is

Total: 82 Marks