



Province of the
EASTERN CAPE
EDUCATION

FOUNDATION PHASE

GRADE 3

NOVEMBER 2017

MATHEMATICS

MARKS: 50

TIME: 1h30min

NAME: _____

This question paper consists of 16 pages.



* 3 M A T H *

INSTRUCTIONS AND INFORMATION

1. Answer all the questions in the spaces and boxes provided.
2. The teacher will lead you through the practice questions before you start.
3. The test duration is 1h30 minutes.
4. The test counts 50 marks.

PRACTICE EXERCISE

| |
|-------------------------|
| 1 Calculate $658 - 436$ |
|-------------------------|

| |
|---|
| You have answered the question correctly if your answer is 222. |
|---|

| |
|--|
| $\begin{aligned} &658 - 436 \\ &= 658 - 400 - 30 - 6 \\ &= 658 - 400 \\ &= 258 - 30 \\ &= 228 - 6 \\ &= 222 \end{aligned}$ |
|--|

| |
|------------------------------------|
| 2. Complete the following pattern: |
|------------------------------------|

| |
|---------------------------|
| 124, 127, 130, __, __, __ |
|---------------------------|

| |
|---|
| You have answered the question correctly if your answer is 133, 136, 139. |
|---|

| | |
|--|--|
| 3. Circle the letter of the correct answer. Round off 134 to the nearest 10. A 140 B 130 C 135 D 145 | You have answered the question correctly if you circled the letter B. A 140 <input checked="" type="radio"/> B 130 C 135 D 145 |
|--|--|

THE TEST STARTS ON THE NEXT PAGE.

SECTION A: NUMBERS, OPERATIONS AND RELATIONSHIPS

Circle the letter of the correct answer from question 1 to 5

1. Double 50 =

A 50

B 100

C 25

D 20

2. What is the number symbol for seven hundred and fifty eight?

A 785

B 768

C 758

D 788

3. What is the value of the underlined digit in 670?

A 60

B 670

C 600

D 6

4. What is $90 + 500 + 4$ as a single number?

A 495

B 549

C 459

D 594

5. Which one of the following is the correct number sentence?

A $21 + 12 = 33$

B $22 + 11 = 23$

C $20 + 13 = 43$

D $23 + 20 = 53$

6. Count backward in 100's from 742.

742, 642, _____, _____, _____, _____.

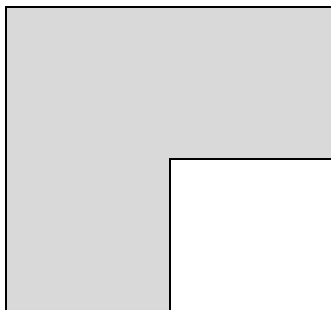
7. Arrange 596, 695, 569, 659 from the smallest to the biggest.

_____, _____, _____, _____

8. Circle the letter of the correct answer in column B

| Column A | Column B |
|-------------------------------------|--|
| 8.1 Half of 184 | A. 64 B. 92 C. 83 |
| 8.2 Round of 116 to the nearest ten | A. 120 B. 115 C. 110 |
| 8.3 $2\frac{1}{4} \square 3 = 8$ | A. \times B. $\frac{7}{13}$ C. $-$ |

9. Which fraction of the diagram is shaded?



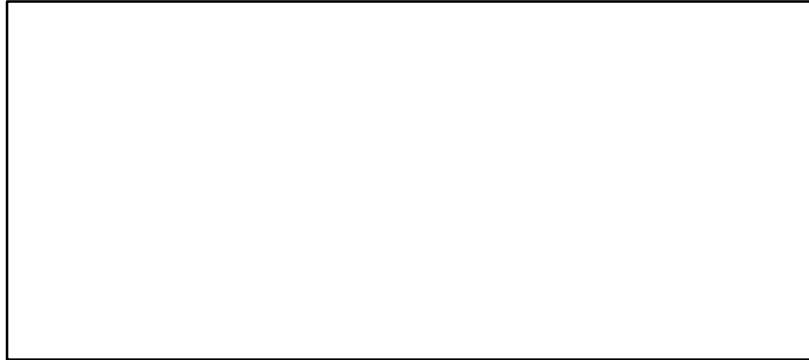
10. Complete:

$$23 + 27 = \square + 38$$

11. Change 450c into rands:

Calculate questions 12 to 15 in the frame provided

12. $7 \times 5 =$



13. $684 + 293 =$



14. $595 - 247 =$

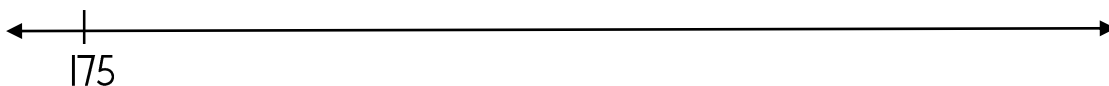


15. $48 \div 4 =$



16. Use the number line to calculate:

$$175 + 92 =$$

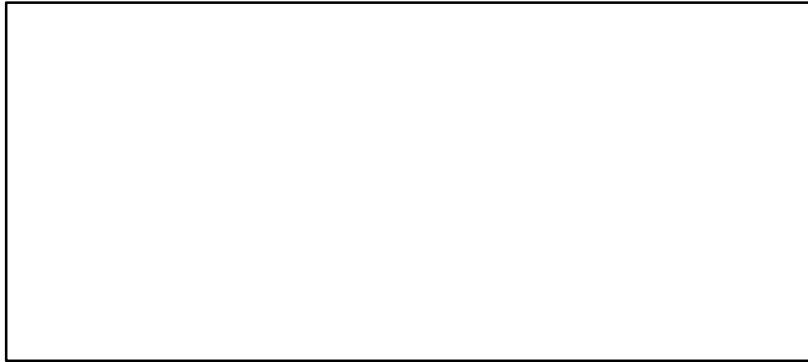


17. Share 20 strawberries equally amongst 5 friends. How many will each get?



Each friend will get _____ strawberries.

18. Grandfather planted 8 rows of orange trees, there are 4 trees in each row. How many trees are there altogether?



There will be _____ trees altogether.

19. John sells ice cream at R4 each. Fill in the table to help him find the price of many ice cream.

| | | | | | | |
|-----------------------------|---|---|----|----|---|----|
| Number of ice cream | 1 | 2 | 3 | 4 | 6 | 10 |
| Price of ice cream in rands | 4 | 8 | 12 | 16 | ? | ? |

SECTION B: PATTERNS, FUNCTIONS AND ALGEBRA



1. Fill in the missing numbers.

1.1 810; 830; 850; ____; ____; ____.

1.2 594; 590; 586; ____; ____; ____.

1.3 325; 350; 375; ____; ____; ____.

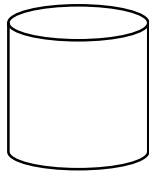
2. Extend the following patterns.

2.1  

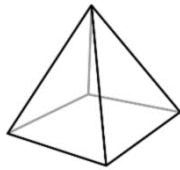
2.2  

SECTION C: SPACE AND SHAPE

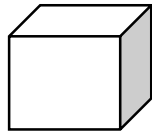
1. Draw a line to match each 3-D object with the correct name



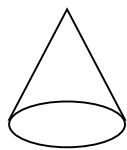
Cone



Cube



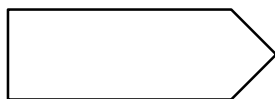
Cylinder



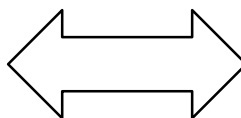
Pyramid

2. Circle the correct letter.

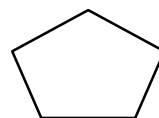
- 2.1 Which of the following shapes have two lines of symmetry?



A

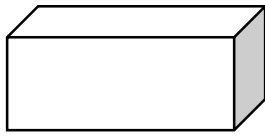


B

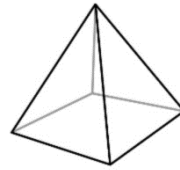


C

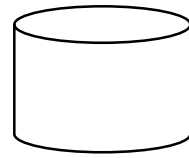
2.2 Which of the following 3-objects has curved surfaces?



A



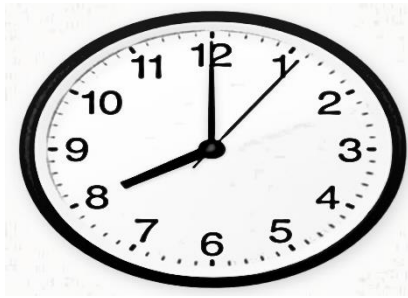
B



C

SECTION D: MEASUREMENT

1. Write down the time indicated in the clock.



2. The soccer match starts at three o'clock in the afternoon and ends at quarter past four. How long was the match?

The match was _____ long

3. Study the calendar month and answer questions that follows.

| MAY | | | | | | |
|-----|----|----|----|----|----|----|
| M | T | W | T | F | S | S |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

- 3.1 Namhla's birthday is on the 11th and Siphos birthday is on the 20th. How many days between their birthdays?

There are _____ days.

- 3.2 How many weeks in the May month?

_____.

4. Arrange the mass of the following from the lightest to the heaviest.



_____.

5. Which of the following containers holds a capacity of 1 litre?

500ml



A

300ml



B

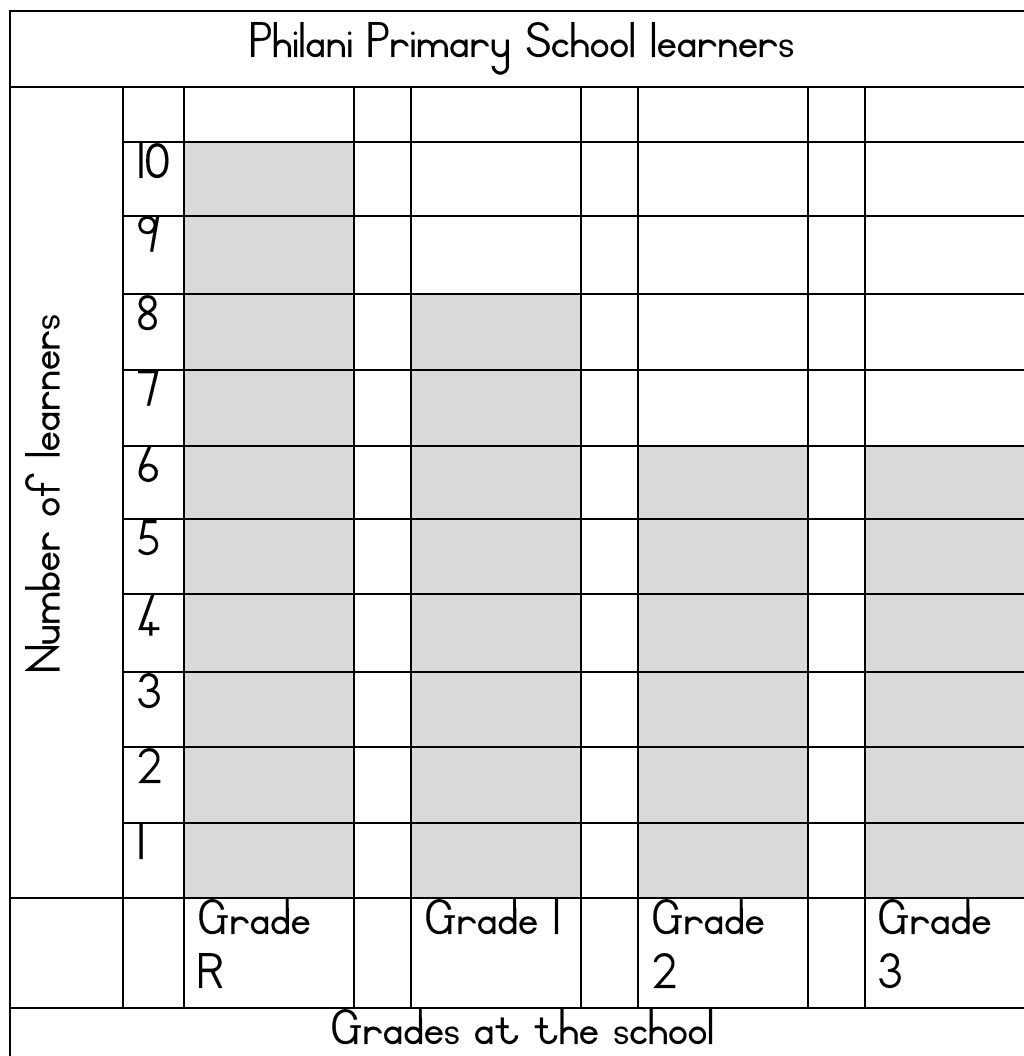
1000ml



C

SECTION E: DATA HANDLING

- I. Study the graph and answer the questions



- I.1 How many learners are there altogether in Grade R, Grade I and Grade 3?

- I.2 Which grades have the least learners?

GRAND TOTAL: 50

