Term 1 Revision

Paper 1

1. Write the following numbers in ascending order.

a) 360 001; 360 101; 360 100; 360 111

b) 101 001; 101 101; 101 100; 101 111

2. Write the following numbers in descending order.

a) 375 001; 375 101; 375 111; 375 100

b) 999 998; 999 997; 999 900; 999 999

3. Insert a whole number which is halfway between.

a) 444 555 and 444 557

b) 666 666 and 888 888

4. Insert a whole number which is three quarters of the way between.

a) 456 800 and 456 900

b) 300 000 and 500 000

5. Work out the HCF of 6, 9 and 18.

6. Indicate, giving reasons, whether the following numbers are prime or composite.

a) 29

b) 49

7. Write down the square numbers between 30 and 50.

8. Write down all the cube numbers between 0 and 30.

9. Write 3 375 in:

a) expanded notation:

b) exponential form:

10. Simplify the following expressions.

a) $\sqrt[3]{64} + \sqrt{16 + 9} =$

b) $18 - \sqrt{81} - 3^2 =$

11. Between which two whole numbers are the following numbers?

a) $\sqrt{30}$

b) $\sqrt{50}$

c) $\sqrt{10} + \sqrt{25}$

12. Solve the following number sentences.

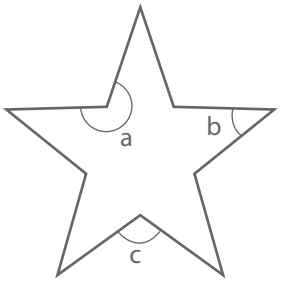
a) $w^2 = 81$ **b)** $s^3 = 27$ **c)** $x^2 = 16$ **d)** $z^3 = 8$

13. The school has 546 learners. The ratio of boys to girls is 5 : 9. How many boys and how many girls are there in the school?

Term 1 Revision

Paper 2

1. Name the angles marked in the figure below.



a)

b)

c)

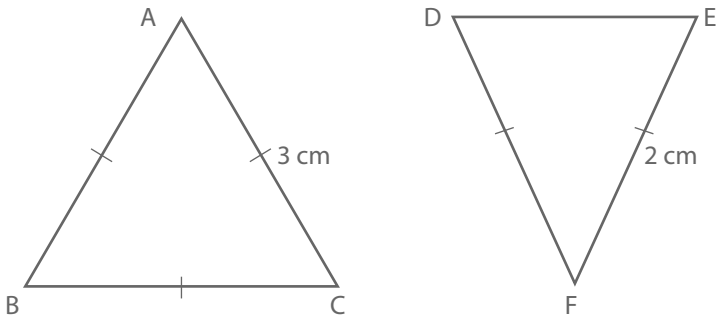
2. Using the same centre point, construct circles of the following sizes.

a) Radius of 2 cm

b) Radius of 10 mm

c) radius of 1,5 cm

3. Answer the following questions about these triangles.



a) What type of triangle is ΔABC?

b) What are the lengths of BC and AB?

c) What type of triangle is ΔDEF?

d) Which other side is also 2 cm in length in ΔDEF?

4. Write down the names of the quadrilaterals that fit the following characteristics.

a) Four sides and angles are equal

b) Two pairs of opposite sides are parallel

c) Only one pair of opposite sides is parallel

d) Two pairs of adjacent sides are equal

5. Draw the following.

a) Line AB

b) Ray PR

c) Line segment CD

d) Straight line HG