1.

Calculate:

a) 20 + 3 = …………………………………………….
b) 25 + 4 = …………………………………………….
c) 18 + 12 = …………………………………………….
d) 14 + 15 = …………………………………………….
e) 9 + 21 = …………………………………………….
f)   11 + 19 = …………………………………………….
g) 17 +8 = …………………………………………….
h) 9 + 18 = …………………………………………….

2.

Calculate:

a) 5 + 5 + 5 + 5 + 5 =……………….……………….
b) 4 + 4 + 4 + 4 = …………………………………….
c) 3 + 3 + 3 + 3 + 3 = ……………………………….
d) 2 + 2 + 2 + 2 + 2 = ……………………………….
e) 5 x 5 = …………………………………………….
f)   4 x 4 = …………………………………………….
g) 3 x 5 = …………………………………………….
h) 2 x 5 = …………………………………………….

3.

Calculate:

  a) 30 – 4 = ...
  b) 22 – 7 = ...
  c) 16 – 9 = ...
  d) 26 – 4 = ...
  e) 30 – 21 = ...
  f) 29 – 29 = ...
  g) 21 – 17 = ...
  h) 12 – 6 = ...

4.

Complete the values in the table:

3 LESS	NUMBER	3 MORE
	99	
	56	
	72	
	69	
	75	
	88	
	32	

5.

> 1. Count in 10's backwards from 340 to 250
>
> ……………………………………………………………………..
>
> 2. Count in 50's from 0 to 250
>
> ……………………………………………………………………..
>
> 3. Count in 3's from 21 to 39
>
> ……………………………………………………………………..
>
> 4. Count in 20's from 100 to 260
>
> ……………………………………………………………………..
>
> 5. Count the steps leading up to the door. Every
>   step counts 5. What is the final total?
>
>
>
> …………………………………………………………………..

6.

1. If 28 learners go camping and 3 learners can

   sleep in one tent, will these tents be enough?

1.1   Yes / No

1.2   If not, how many learners will not have a

       sleeping   space?

1.3   How many extra tents need to be taken

        with them so that everyone has a tent to

        sleep in?

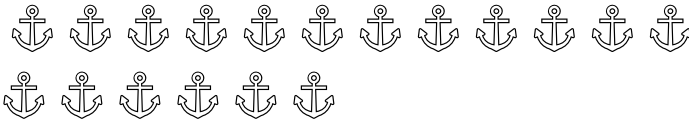1.4   How many learners will sleep in the last

       tent?

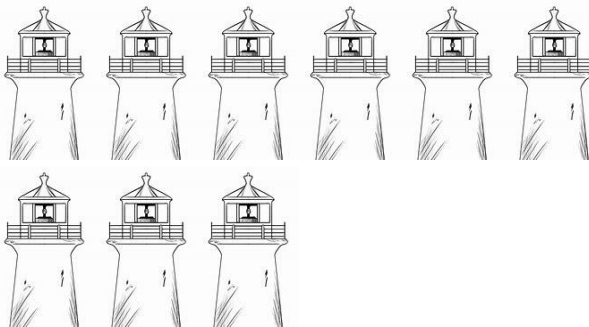7.

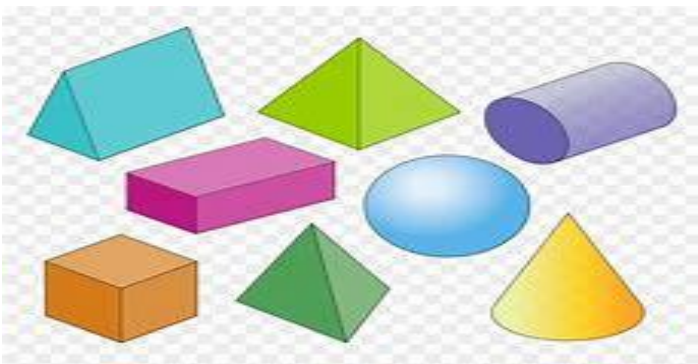What is half of the following and is there a remainder?

1. ....
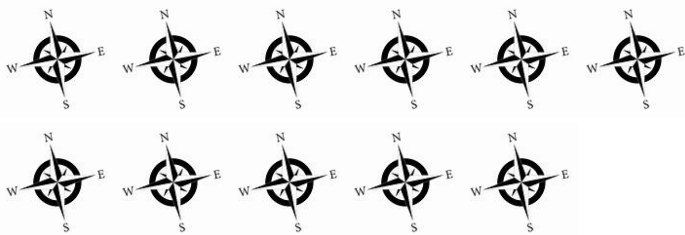
2. ....

3. ....

8.

How many shapes will there be if the following number of shapes are doubled?

1. …………………………………………………………………………

2. …………………………………………………………………………

Grade 3

1.

1.1. Write the correct answer.

1.1.1. The missing numbers in the pattern are: 101; 105; 109;

……….; ……….

a) 111; 113   b) 113; 117   c) 110; 111   d) 115; 117

1.1.2. The numbers that are missing in the pattern are 55;

…….; …….; 70; ……...

a) 60; 65; and 75   b) 58; 63; and 74

c) 56; 57; and 72   d) 65; 75; and 85

1.1.3. The next two numbers in the pattern are:

280; 250; 220; ……..; ……..

a) 200; 190   b) 200; 180 c) 190; 160 d) 180; 150

1.1.4. The next number in the pattern 1; 2; 4; 8; 16 is …

a) 30   b) 32

c) 34   d) none of the above

1.1.5. Choose the correct pattern, if the first number is 124

and 7 is added 5 times.

a) 124; 129; 134; 139; 144

b) 124; 125; 126; 127; 128

c) 124; 131; 138; 145; 152

1.1.6. Write all the multiples of 3 between 8 and 16.

a) 11; 14   b) 9; 12; 15   c) 8; 11; 14; 16   d) 8; 12; 16

1.1.7.1. Write down the next 3 values:

R12.00; R12.80; R13.60; ....; ....;.............

a) R14.00; R14.80; R15.60

b) R14.20; R14.80; R15.40

c) R14.40; R1520; R16.00

1.1.7.2. How much money was added each time in

1.1.7.1.?

a) 80c   b) 60c   c) R1.00   d) 40c

1.1.8. Describe the pattern below by choosing a) or b) or c).

a) seed germinates; seed is planted; plant has many leaves
    and roots; seed is a plant
b) seed is a plant; seed germinates; seed is planted; plant
    has many leaves and roots
c) seed is planted; seed germinates; plant has many leaves
    and roots; seed is a plant

1.1.9. The next number of dots in the pattern will be: ....

   a) 12   b) 14   c) 16   d) 18

Grade 3
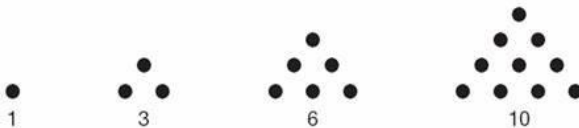
2.1. Farmer Brown has 15 hens. Each hen lays 5 eggs per day.

1. How many eggs does Farmer Brown take to the market each day?

2. These eggs are packed into cartons that hold 8 eggs in each carton. How many cartons can be filled and how many eggs are left over?

3. Farmer Brown gives the eggs that were left over to his wife, Lana, to bake a cake. She needs 15 eggs to bake the cake. How many eggs does she still need to bake the cake?

4. Farmer Brown decides to double his number of hens. How many eggs will he now have per day, if each hen lays 5 eggs per day?

5. Since the new hens have arrived on the farm, 4 eggs break each day. How many eggs does Farmer Brown lose in a 7-day week?

2.2. Calculate.

1. Farmer Brown drives 53km each day to take the eggs to the market. How many kilometres will he drive in 5 days?

2. If the price of petrol is R3 per kilometre, what will the total cost be for the petrol for 5 days?

3. If Farmer Brown earns R980 for the sale of the eggs for the 5 days, does he make a profit or a loss?

Use the formula:

Total for eggs – Total for petrol = Profit/Loss

4. How many more hens can Farmer Brown buy, if one hen costs R5, and he uses the money from the answer in c).?

5. Farmer Brown pays his manager, Sam, R240 a week to work on the farm. How much does Sam earn in 4 weeks?

2.3. Sam buys the following groceries each week:

milk - R12,00; bread - R9,00; vegetables - R15,70;
meat - R45,90; sugar - R16.50; coffee - R5.30

1. Calculate the cost of Sam's groceries per week.
2. Does Sam earn enough money per week to pay for his groceries?   YES / NO
3. How much money does he have left for the week, after paying for his groceries?
4. Sam wants to buy a small second-hand car. The car payments are R300 per month. Can Sam afford to make monthly payments of R300, to buy the car?

Use the formula to see if it is possible:
Salary per month – Groceries per month

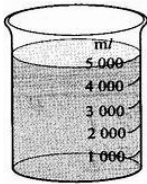5. State the view of the car from left to right at the top, and from right to left at the bottom.

Grade 3   MQT3-1
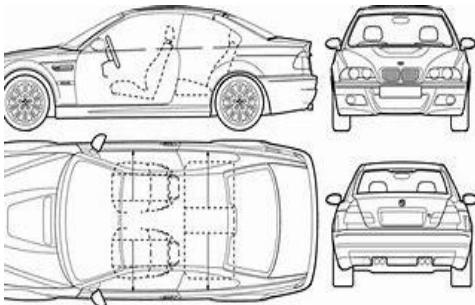
1.1. Arrange the numbers in descending order:

500; 129; 380; 227; 422

1.2. Use **<** or **>** or **=** to describe the following:

1. 300 + 20 + 8 .... 200 + 80 + 3
2.
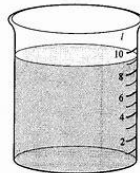
3. 1L320ml 1 230ml

4.

5. 2L + 50ml + 7L 9 500ml

Grade 3 MQT3-2

2.1.   There are 72 baby chicks on Farmer Brown's farm. If the chicks are divided into 3 hen houses. How many chicks will there be in each hen house?

2.2. Farmer Brown needs to build hen houses for his hens. One hen house can house 7 hens. If there are 154 hens, how many hen houses must Farmer Brown build?

2.3. Write down the correct answer:

1. 169 ÷ 8 =

a) 20 remainder 9 b) 21 remainder

c) 19 remainder 7   d) 22 remainder 0

2. 125 ÷ 6 =

a) 20 remainder 5 b) 20 remainder 4

c) 20 remainder 3   d) 20 remainder 2

2.4.   Farmer Brown buys 85 hens on Monday, 123 hens on Tuesday and 388 hens on Friday.

1. How many hens did Farmer Brown buy altogether on those 3 days?

2. If he buys another 154 hens on Saturday and sells 230 hens at the market, how many hens does he have now?

3. He sells the hens that he is left with now for R5.00 each. How much money does he have now after selling the hens?

4. The money which he had in 2.4.3, after selling the hens, he divides amongst his 4 sons.
   1. How much will each son receive?

   2. Is there any money left for his wife?

2.5 Add the following numbers: 528 and 324 and 84

2.6 Subtract 482 from 1 399

2.7 From 1 680 subtract 890

2.8 Add the following numbers 69 and 102 and 423. Subtract 244 from the added numbers.

2.9 Half 326

2.10 Double 295

3.1. Write down the correct answer:

1. One third of R9.00 is …

a) R2.00   b) R2.50   c) R3.00   d) R3.50

2. Half of R9.00 is …

a) R3.00   b) R3.50   c) R4.00   d) R4.50

3. One ninth of R9.00 is …

a) 90c   b) R1.00   c) R1.50   d) R1.90

4. R9.00 doubled is …

a) R9.50   b) R16.00   c) R18.00   d) R19.00

5.   R9.00 x 6 is …

a) R96.00   b) R90.00   c) R45.00   d) R54.00

6.   R9.00 + R12.00 + R15.90 is …

a) R35.90   b) R36.90   c) R37.90   d) R38.90

7.   R58.70 – R9.00 is …

a) R50.00   b) R49.30   c) R49.50   d) R49.70

4.1.

a) Draw each of these shapes from a top view.
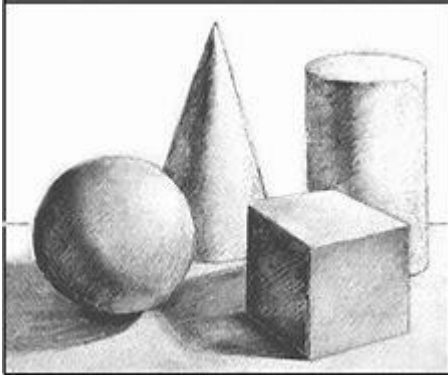
b) Draw this car's bottom view.
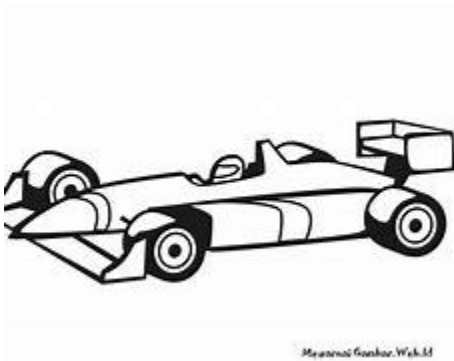
4.2. Divide the following and give the answer as well as the

remainder, if there is a remainder.

a) ÷ 4 = ...

b) ÷ 10 = ...

c) 62 ÷ 4 =

d) 75 ÷ 5 =

e)

÷ 9 = ……………..

4.3. Colour in the following fractions:

1. Half of the blocks

2. One third of the blocks

3. One quarter of the blocks

4. One fifth of the blocks

Grade 3 MQT3-8

4.4. Calculate the area of the following 2D forms:

1. Area is: .... blocks
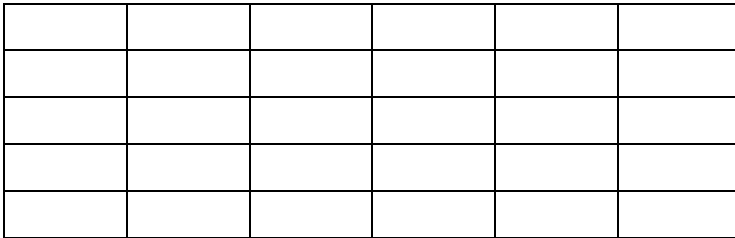
2. Area is: .... blocks
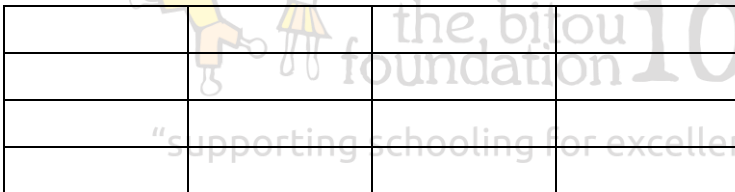
3. Area is: .... blocks
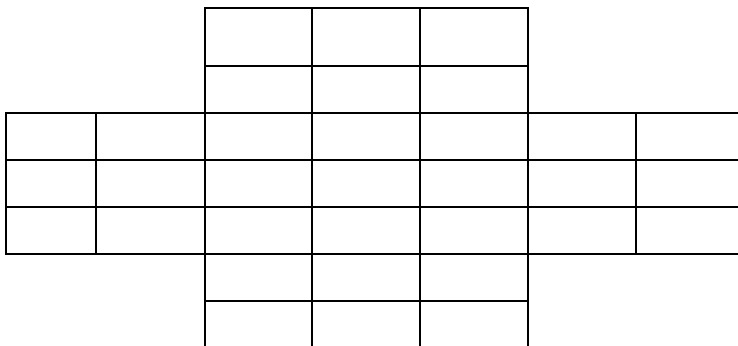
1. Answer the following questions using the treasure map.
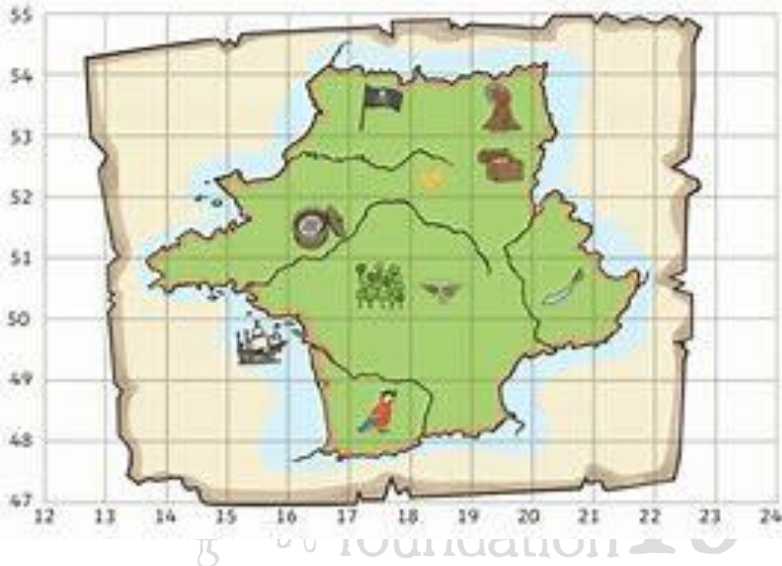
1.1. If the flag lies in the grid 53 to 54 and numbers 17 to 18,

1. where does the compass lie?

2. where does the ship anchor?

3. where does the indigenous bird live?

4. describe where the forest is situated.

1.2 Looking for the treasure, working your way from the ship and using this compass given, describe in words the route you will follow to find the treasure.

1.3 If you walk one block north from the ship and then turn due east, name three objects that you will encounter.

2. If you put the compass on the fire station, name all the places you will encounter if you walk …………

2.1 north   2.2 south   2.3 north-west

2.4 west   2.5 east   2.6 south-west
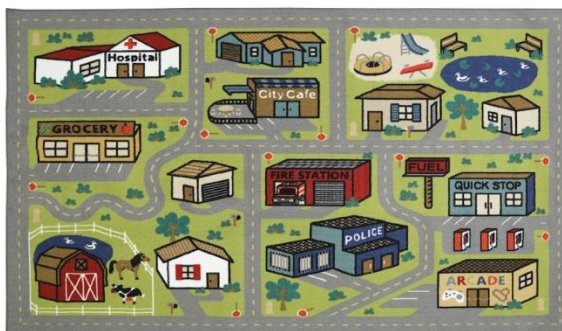
Use pegs with the signs $<, >, =$, to play this game.

The abbreviations used on all the cards are:

QM   quick maths

MW   maths word sums

MQ   maths questions

MG   maths games

 ....

 ....

 ....
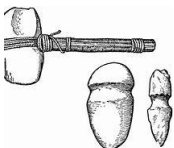
 ....

 ....

 ....