7 + Entrance Examination

Paper 3

Numeracy / Maths

Total marks: 58

Time allowed: 45 minutes

Full name .....

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1. **Continue the number sequences below by writing the next 3 numbers.**

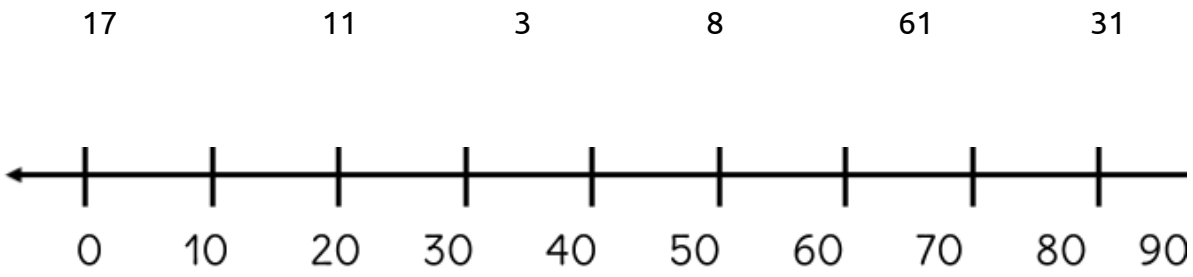
   a. 12, 15, 18, _____ , _____ , _____

   b. 5, 10, 15, _____ , _____ , _____

   c. 14, 12, 10, _____ , _____ , _____

3 marks

2. **Round the following numbers to the nearest 10 by joining them to the number line below.**



6 marks

3. **Write the following as words**

   a. 13 _____

   b. 200 _____

   c. 22 _____

3 marks

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4. Write the following as numbers

a. Seven _____

b. Fourteen _____

c. Two hundred and ten _____

3 marks

5. a. Put these numbers in the correct order from smallest to largest.

22, 17, 5, 15, 26, 34, 2,

_____

1 mark

b. Circle the odd numbers in the sequence above.

1 mark

6. Put the correct sign in the spaces provided below (+ , - , x , ÷)

a. 23 _____ 8 = 15

b. 30 _____ 5 = 6

c. 7 _____ 2 = 14

d. 23 _____ 7 = 30

4 marks

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7. Answer the following questions:

a) 2 x 3 = _____

b) 2 x 5 = _____

c) 3 x 2 = _____

d) 3 x 5 = _____

e) 2 x 10 = _____

f) 5 x 10 = _____

g) 53 - 8 = _____

h) 18 + 5 - 4 = _____

i) 4 + 11 - 2 = _____

9 marks

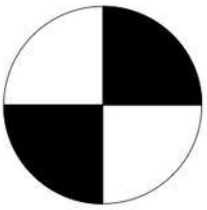
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8. What fraction of each shape is shaded? Draw a line from each fraction to the correct shape.

1/2 **1/4** **2/4**

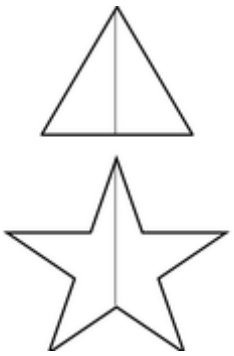






3 marks

9. Shade one half on both of the shapes below.



2 marks

10 a. Six hotdogs cost £1.10. How much would it cost to buy 12 hotdogs?

_____ 2 marks

b. Alison has £32 but spends half in the shops. How much money is she left with?

_____ 2 marks

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c. A bag of crisps cost 5p. How much would it cost if I bought a bag of crisps every day for 5 days? _____ 2 marks

11. John wants to buy an apple that costs 12p.

a. Which 2 coins could he use? (Circle your answer)



1 mark

b. Which 3 coins could he use to make the same amount of 12p? (Write your answer below)

_____

1 mark

12.

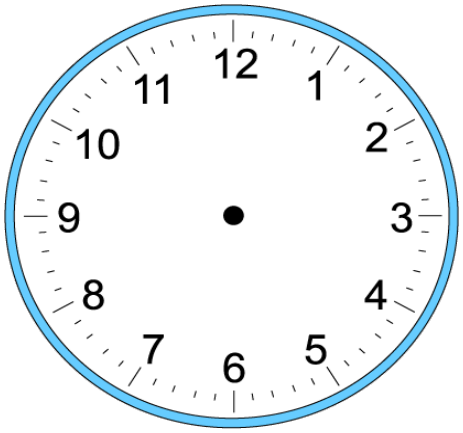
a. How many days are in a week? _____ 1 mark

b. How many hours are there in a day? _____ 1 mark

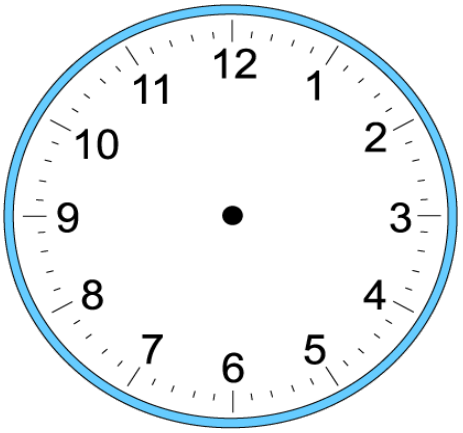
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13. Show the times on these clocks:

5 o'clock:



Half past 2:



2 marks

14. Match the following shapes to their names

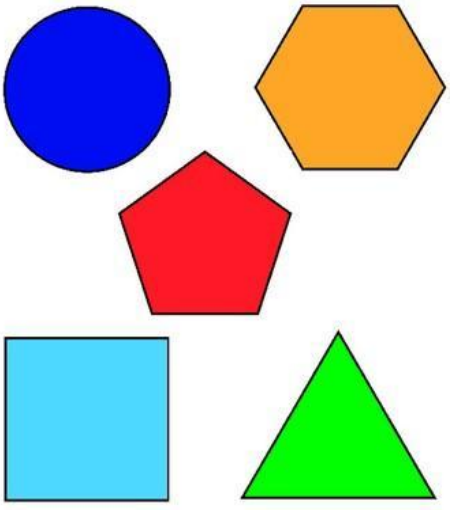
Circle

Triangle

Hexagon

Pentagon

Square



5 marks

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15. George grew some sunflowers.

One grew to 46cm

The tallest was 53cm

a) How much taller was that? _____ 1 mark

He planted 14 seeds

Half of them died

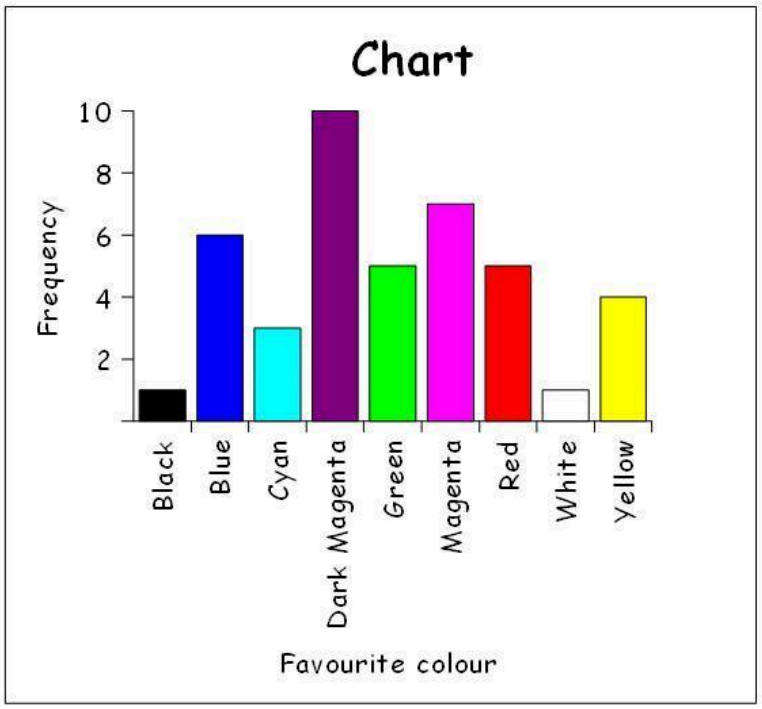
b) How many sunflowers did George grow? _____ 1 mark

He watered them twice a day for 2 weeks.

c) How many times was that? _____ 1 mark

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15. Look at this chart and answer the questions below:



a) Which was the most popular colour? _____

b) How many more children preferred yellow to black? _____

c) How many children chose green as their favourite colour? _____

3 marks

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7 + Entrance Examination
Maths Paper 3
Mathematics Marking Scheme

Total marks: 58

1.
   a. 21, 24, 27
   b. 20, 25, 30
   c. 8, 6, 4

2.
   - 17 should be rounded to 20
   - 11 should be rounded to 10
   - 3 should be rounded to 0
   - 8 should be rounded to 10
   - 61 should be rounded to 60
   - 31 should be rounded to 30

3.
   a. thirteen
   b. two hundred
   c. twenty two

4.
   a. 7
   b. 14
   c. 210

5.
   a. 2, 5, 15, 17, 22, 26, 34
   b. 5, 15, 17

6.
   a. 23 - 8 = 15
   b. 30 ÷ 5 = 6
   c. 7 x 2 = 14
   d. 23 + 7 = 30

7.
   a. 2 x 3 = 6
   b. 2 x 5 = 10
   c. 3 x 2 = 6
   d. 3 x 5 = 15

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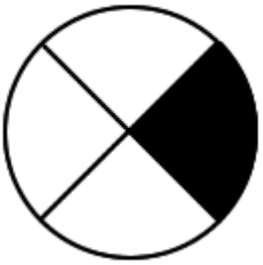
e. 2 x 10 = 20
f. 5 x 10 = 50
g. 53 - 8 = 45
h. 18 + 5 - 4 = 19
i. 4 + 11 - 2 = 13

8.

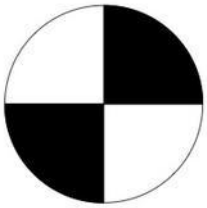
1/2



1/4



2/4



9. 1 mark awarded for shading half of each shape.

10.

a. £2.20
b. £16.00
c. 25p

11.

a. Students should circle the 2p and 10p coins
b. 5p + 5p = 2p

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12.

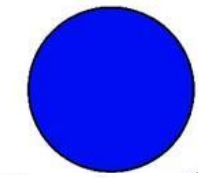
a. 7
b. 24

13.

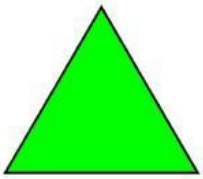
a. The long hand should point to 12; the short hand should point to 5
b. The long hand should point to 6; the short hand should point between 2 and 3

14.

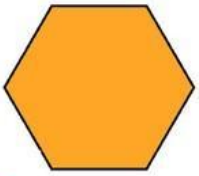
Circle



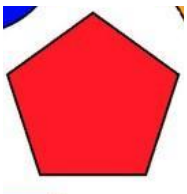
Triangle



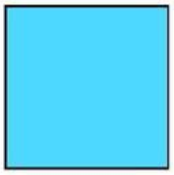
Hexagon



Pentagon



Square



15.

a. 7cm
b. 7

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c. 28

16.

a. dark magenta
b. 3
c. 5

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