7 + Entrance Examination

Paper 1

Numeracy / Maths

Total marks: 65

Time allowed: 1 hour

Full name .....

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1. Can you complete these patterns?

1 _____ 5 _____ 9 _____ 13 _____ ☐

5 _____ 15 _____ 25 _____ 35 _____ ☐

2 _____ 6 _____ 10 _____ 14 _____ ☐

3 marks

2 a. 18 - 7 = ☐

b. 5 + 8 = ☐

c. 15 - 9 = ☐

d. 17 + 28 = ☐

e. 2 x 3 = ☐

f. 20 ÷ 4 = ☐

6 marks

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3 a. Sam has 24 apples but decides to give 9 away. How many apples does she have left? _____ 2 marks

b. Tom has 16 sweets and decides to share them between him and his friend. How many sweets does Tom's friend get? _____ 2 marks

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

d. Sue has 21p and Ben has 16p more. How much money does Ben have? _____ 2 marks

e. Alison has £32 but spends half in the shops. How much money is she left with? _____ 2 marks

f. A class of 32 goes to the theatre, but there are only 24 seats. How many more seats are needed? _____ 2 marks

g. 6 hotdogs cost £1.10. How much would it cost to buy 12 hotdogs? _____ 2 marks

h. David's alarm clock goes off at 6:45. He sleeps in for 15 minutes. What time does he get up? _____ 2 marks

i. Joe is 125cm tall. His younger brother John is 15cm taller than him. How tall is John? _____ 2 marks

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4. Can you 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

5. Circle all the even numbers.



2 marks

6. Match the words to the figures.

79	five hundred and ninety nine
101	seventy nine
214	one hundred and one
599	two hundred and fourteen

4 marks

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7. Finish partitioning these numbers:

432 = 400 + ☐ + 2

517 = 500 + 10 + ☐

112 = ☐ + 10 + 2

509 = 500 + ☐ + 9

4 marks

8. Complete the sequences:

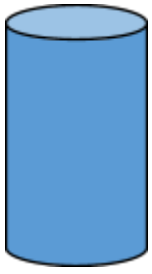
a. 900ml, 700ml, 500ml, _____, 100ml

b. 110g, 120g, 130g, _____ , 150g, 160g, _____

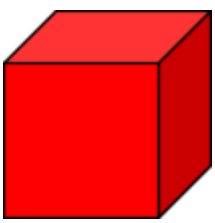
c. _____, 1.5kg, 2kg, 2.5kg, _____, 3.5kg

5 marks

9. Write your answers in the boxes below:



Number of faces ☐

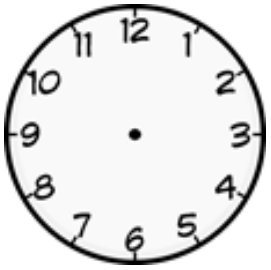


Number of edges ☐

2 marks

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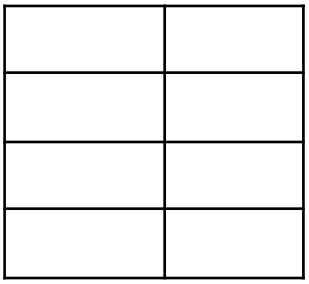
10. Samantha goes to bed at 8:30pm. Draw the hands onto the clock face to show this time.



1 mark

11. Shade the fractions:

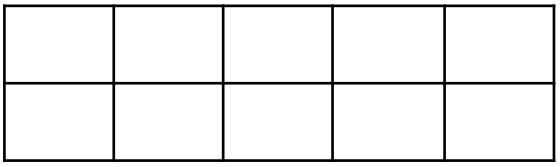
a. A half:



b. Three quarters:

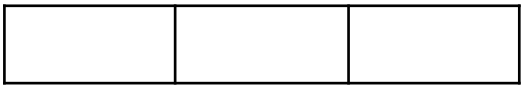


c. One fifth:



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d. Two thirds



4 marks

12. Round the numbers to the nearest ten.

a. 11 is nearest to _____

b. 26 is nearest to _____

c. 39 is nearest to _____

d. 99 is nearest to _____

4 marks

13. Fill in the correct temperature in the empty boxes.

5°C	10°C		20°C	25°C		35°C		45°C	50°C

3 marks

14a. Ben scored 6 goals in his first match. On his second match he scored twice as many goals. How many goals has Ben scored altogether?

_____ goals

1 mark

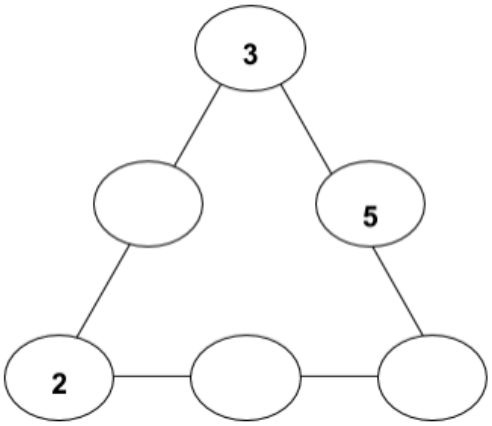
14b. In four weeks, Ben played 16 games of football. How many games did Ben play in 1 week?

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_____ goals

1 mark

15. Fill in the spaces with a number 0 – 9. All lines should add to nine and each number should only appear once in the triangle.



3 marks

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7 + Entrance Examination - Maths Paper 1 - Numeracy Mark Scheme

Total Marks: 65

1.

a. 17

b. 40

c. 18

2

a. 11

b. 13

c. 6

d. 45

e. 6

f. 5

3. One mark awarded for correct answer, one mark awarded for showing working:

a. 15

b. 8

c. 25p

d. 37p

e. £16.00

f. 8

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g. £2.20

h. 7:00

i. 140cm

4

a. subtract
b. divide
c. multiply
d. add

5. 6 and 8

6. One mark awarded to each correct answer

7.

a. 30
b. 7
c. 100
d. 0

8.

a. 300ml
b. 140g, 170g
c. 1 kg, 3kg

9.

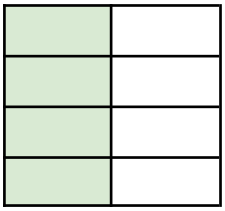
a. 2 faces
b. 12 edges

10. Half a mark given for a correct time, half a mark given for minute hand being smaller than the hour hand.

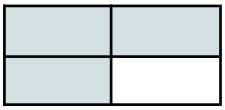
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11. Shade the fractions:

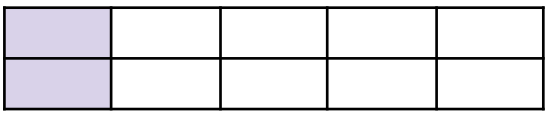
a. A half



b. Three quarters



c. One fifth



d. Two thirds



12.

a. 10
b. 30
c. 40
d. 100

13.

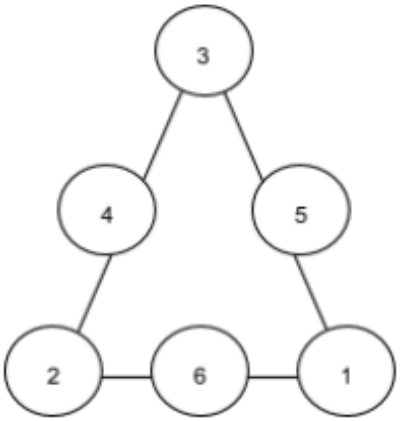
5°C	10°C	**15°C**	20°C	25°C	**30°C**	35°C	**40°C**	45°C	50°C

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14.

a. 18
b. 4

15.



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