7 + St. Paul's Juniors

PAPER 18

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MENTAL MATHEMATICS

Listen carefully to the questions. One mark is awarded for each correct answer.

Section 1: You have 5 seconds to answer each question. (10)

1) _____ 2) _____ 3) _____

4) _____ 5) _____ 6) _____

7) _____ 8) _____ 9) _____

10) _____

Section 2: You have 10 seconds to answer each question. (5)

1) _____ 2) _____ 3) _____

4) _____ 5) _____

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SECTION 3:

Check each number sentence and identify whether it is correct or not.

Write “True” or “False”.

Q1. 20 + 30 = 50

Answer: _____

Q2. 40 - 10 = 20

Answer: _____

Q3. 6 x 5 = 30

Answer: _____

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Q4. 50 + 30 = 100 – 40

Answer: _____

Round the following numbers.

Q5. What is 37 rounded to the nearest ten?

_____

Q6. What is 51 rounded to the nearest ten?

_____

Fill in the missing numbers in the number patterns.

Q7. 2, 5, 8, ____, 14, ____, 20

Q8. 19, ____, 13, ____, 7, 4, 3

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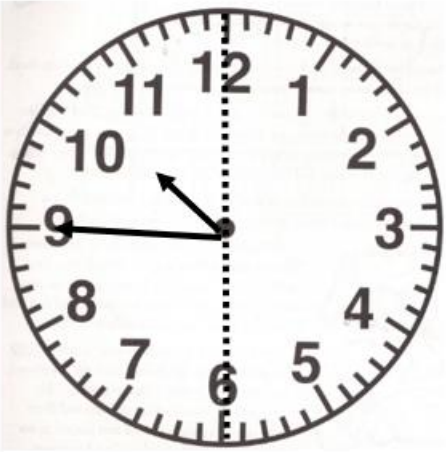
Q9: If the hands on the clock have been reflected along the dotted mirror line.



a. What is the reflected time?

_____

b. Write your answer in 24-hour clock if it is in pm.

_____

Q10. How tall is a refrigerator?

1 - 2m, 1 – 2km, 4 – 5m

_____

Q11. How much does a 1kg sweet box equal to?

10g, 100g, 1000g

_____

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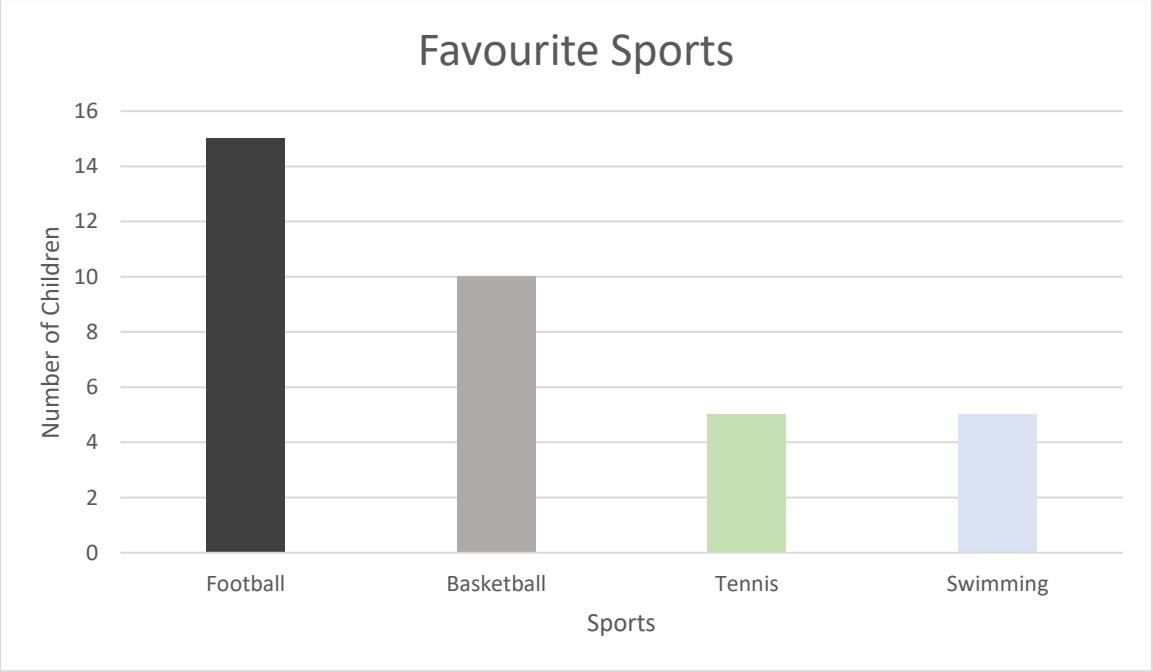
Q12. Alice buys a snack for £3 and a drink for half as much. She pays with a £10 note and receives the smallest possible number of coins and notes in change. What change was she given?

Answer: _____

Q13. The graph shows the favourite sports of the children in Class 5A.



a. Which sport is the least popular among the children in Class 5A?

_____

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b. How many children in total picked either football or basketball?

_____

c. If there are 35 children in Class 5A, how many children picked tennis?

_____

d. How many more children picked swimming than tennis?

_____

Q14.

May 2024

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			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	

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a) If Mother's Day falls on the second Sunday of May and is on May 10th, what day of the week is Mother's Day?

Answer: _____

b) If a school term starts on May 6th, what day of the week will be the first day of school?

Answer: _____

c) If a family plans a barbecue on the last Saturday of May, what is the date of their barbecue?

Answer: _____

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d) If a child has swimming lessons every Wednesday, on what dates will they have lessons in May?

Answer: _____

e) If May has 31 days, how many Fridays are there in May?

Answer: _____

Q15. Put each digit and symbol in the right place to make the number sentence correct.

1	**=**	**1**	**8**	**5**	**-**	**3**

_____ _____ _____ _____ _____

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Circle the greater value.

Q16. $\frac{1}{3}$ of 12 or $\frac{1}{2}$ of 10

Q17. $\frac{1}{2}$ of 8 or $\frac{1}{3}$ of 9

Q18. In a toy collection, there are cars, trucks, and planes. Cars are worth 5 points each. If you collect 2 cars, you get a truck. If you collect 3 trucks, you get a plane.

a) If Jack has 8 cars and 3 trucks, how many points does Jack have?

Answer: _____

b) How many points is a plane worth?

Answer: _____

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c) Emma has 4 trucks. Olivia has 2 planes. Who has more points?

Answer: _____

d) How many cars make 35 points?

Answer: _____

Q19. A bus is driving through Busy City. At the first intersection, 10 passengers exit the taxi and 5 passengers enter. At the second intersection, 3 passengers exit and twice as many enter. There are now 22 passengers in the bus. How many passengers were in the bus before it reached the first intersection?

Answer: _____

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