7 + St. Paul's Juniors

PAPER 20

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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. 30 + 40 = 70

Answer: _____

Q2. 55 - 30 = 15

Answer: _____

Q3. 10 x 2 = 40

Answer: _____

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Q4. 45 + 25 = 100 – 50

Answer: _____

Round the following numbers.

Q5. What is 31 rounded to the nearest ten?

_____

Q6. What is 55 rounded to the nearest ten?

_____

Fill in the missing numbers in the number patterns.

Q7. 10, 8, ___, 4, ____, 0

Q8. 3, 8, 13, 18, ____, _____

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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 long is a pencil?

15mm, 15cm, 15m, 15km

_____

Q11. How much does a cat weigh?

3g, 3kg, 100g, 10kg

_____

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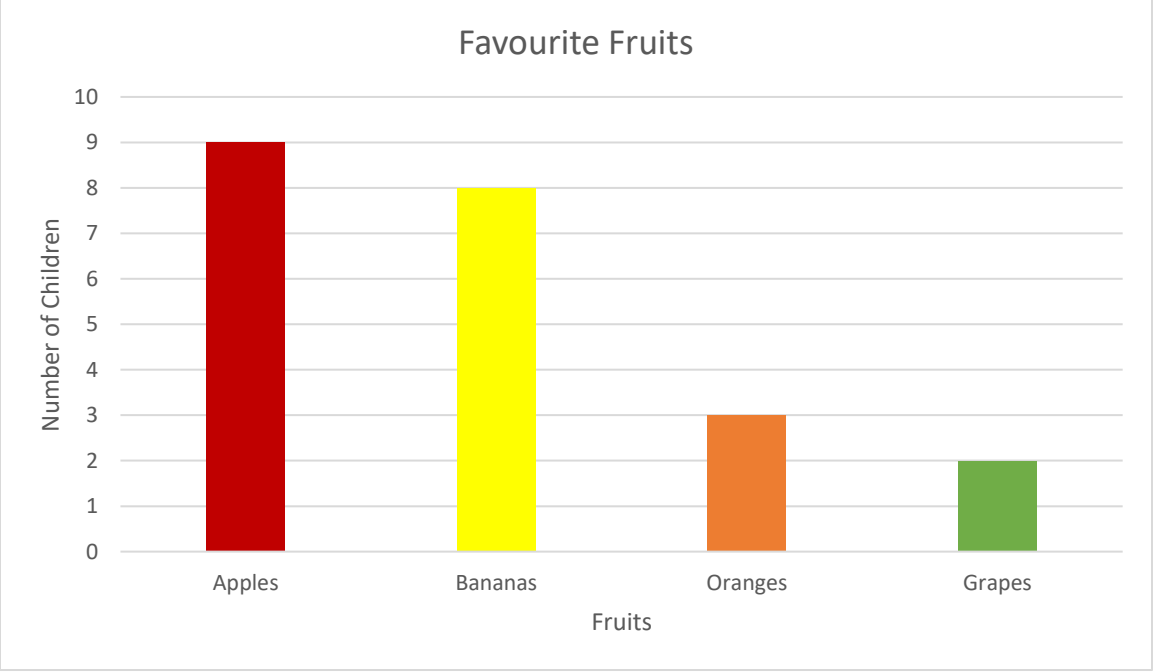
Q12. Olivia buys a dress for £10 and a pair of shoes for half as much. She pays with a £20 note and receives the smallest possible number of coins and notes in change. What change was she given?

Answer: _____

Q13. The graph shows the favorite fruits of the children in Class 2C.



Favorite Fruits (Class 2C):

a. Which fruit is the least popular among the children in Class 2C?

_____

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b. How many children in total picked either apples or bananas?

_____

c. If there are 22 children in Class 2C, how many children picked oranges?

_____

d. How many more children picked oranges than grapes?

_____

Q14.

September 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					

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a. If a school term starts on September 2nd, what day of the week will be the first day of school?

Answer: _____

b. If a family plans a picnic on the second Saturday of September, what is the date of their picnic?

Answer: _____

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c. If a child has soccer practice every Friday, on what dates will they have practice in September?

Answer: _____

d. If September has 30 days, how many Mondays are there in September?

Answer: _____

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

5	**2**	**÷**	**5**	**=**	**5**
_____	_____	_____	_____	_____	

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Circle the greater value.

Q16. $\frac{1}{2}$ of 10 or $\frac{1}{6}$ of 18

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

Q18. In a dice game, players collect dice of different colors. Red dice are worth 3 points each. If you collect 5 red dice, you get a blue die. If you collect 4 blue dice, you get a gold dice.

a) If Chris has 6 red dice and 2 blue dice, how many points does Chris have?

Answer: _____

b) How many points is a gold dice worth?

Answer: _____

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c) Rachel has 4 blue dice. Alex has 2 gold dice. Who has more points?

Answer: _____

d) How many red dice make 15 points?

Answer: _____

Q19. A truck is driving to Mountain City. At the first checkpoint, 20 crates are unloaded and 8 new crates are loaded. At the second checkpoint, 6 crates are unloaded and twice as many are loaded. There are now 42 crates on the truck. How many crates were on the truck before it reached the first checkpoint?

Answer: _____

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