

MASTER COACHING

G & T MATHS & G.A. 2

ROB OLLIS

YEAR

6

Edition 1



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Selective Schools

Date : _____

Name : _____

Score : _____

* Circle the letter of the best answer to each question ... for example

1 a b c d

1 a b c d

2 a b c d

3 a b c d

4 a b c d

5 a b c d

6 a b c d

7 a b c d

8 a b c d

9 a b c d

10 a b c d

11 a b c d

12 a b c d

13 a b c d

14 a b c d

15 a b c d

16 a b c d

17 a b c d

18 a b c d

19 a b c d

20 a b c d

21 a b c d

22 a b c d

23 a b c d

24 a b c d

25 a b c d

26 a b c d

27 a b c d

28 a b c d

29 a b c d

30 a b c d

31 a b c d

32 a b c d

33 a b c d

34 a b c d

35 a b c d

36 a b c d

37 a b c d

38 a b c d

39 a b c d

40 a b c d

- 11 Gregor borrowed \$3200 from Mendel on the first of January.
Gregor repaid \$22 each week plus \$35 on the last day of each month.
How many dollars does Gregor still owe Mendel on the second of January next year :

- a $3200 - 52 \times 22 + 12 \times 35$
- b $3200 - (12 \times 35 + 52 \times 22)$
- c $3200 - 12 \times (35 + 22)$
- d $3200 - 12 \times (35 + 88)$

- 12 Donald cooked a really nice pizza that he cut into 15 equal pieces.
Huey, Dewey and Louie each ate three pieces.
What fraction of the pizza is still there for Doug:

- a nine fifteenths
- b two fifths
- c one quarter
- d none of a, b or c

- 13 A prime integer can only be divided a whole number of times by itself or 1.
The lower primes are 2, 3, 5, 7, 11, 17, 19 ... etc
For example 4 is not prime because it is divisible by 2,
and 15 is not prime because it is divisible by 3 or by 5.

- Which pair has only prime numbers :
- a 31, 49
 - b 27, 33
 - c 26, 31
 - d 47, 61

- 14 Joshua is going to put a fence around the perimeter of his rectangular yard, 15m by 12m.
He needs to put a post every 3m, at a cost of \$5.95 per post.

- The total cost of the posts is :
- a $9 \times \$11.90$
 - b $19 \times \$5.95$
 - c $54 \times \$5.95$
 - d $60 \times \$5.95$

Selective Schools Maths 2 Answers

- | | | | | | | | | | |
|-------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| 1 | a | b | <input checked="" type="radio"/> c | d | 21 | <input checked="" type="radio"/> a | b | c | d |
| 2 | a | <input checked="" type="radio"/> b | c | d | 22 | a | <input checked="" type="radio"/> b | c | d |
| 3 | a | b | c | <input checked="" type="radio"/> d | 23 | a | b | <input checked="" type="radio"/> c | d |
| 4 | <input checked="" type="radio"/> a | b | c | d | 24 | a | <input checked="" type="radio"/> b | c | d |
| 5 | a | b | c | <input checked="" type="radio"/> d | 25 | a | b | c | <input checked="" type="radio"/> d |
| <hr/> | | | | | <hr/> | | | | |
| 6 | a | b | <input checked="" type="radio"/> c | d | 26 | a | b | <input checked="" type="radio"/> c | d |
| 7 | a | b | <input checked="" type="radio"/> c | d | 27 | a | b | c | <input checked="" type="radio"/> d |
| 8 | a | <input checked="" type="radio"/> b | c | d | 28 | a | <input checked="" type="radio"/> b | c | d |
| 9 | a | b | c | <input checked="" type="radio"/> d | 29 | <input checked="" type="radio"/> a | b | c | d |
| 10 | <input checked="" type="radio"/> a | b | c | d | 30 | <input checked="" type="radio"/> a | b | c | d |
| <hr/> | | | | | <hr/> | | | | |
| 11 | a | <input checked="" type="radio"/> b | c | d | 31 | a | <input checked="" type="radio"/> b | c | d |
| 12 | a | <input checked="" type="radio"/> b | c | d | 32 | a | b | <input checked="" type="radio"/> c | d |
| 13 | a | b | c | <input checked="" type="radio"/> d | 33 | a | b | <input checked="" type="radio"/> c | d |
| 14 | <input checked="" type="radio"/> a | b | c | d | 34 | a | b | c | <input checked="" type="radio"/> d |
| 15 | <input checked="" type="radio"/> a | b | c | d | 35 | a | b | <input checked="" type="radio"/> c | d |
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| 16 | a | b | <input checked="" type="radio"/> c | d | 36 | <input checked="" type="radio"/> a | b | c | d |
| 17 | a | b | c | <input checked="" type="radio"/> d | 37 | a | <input checked="" type="radio"/> b | c | d |
| 18 | a | b | <input checked="" type="radio"/> c | d | 38 | <input checked="" type="radio"/> a | b | c | d |
| 19 | <input checked="" type="radio"/> a | b | c | d | 39 | a | b | c | <input checked="" type="radio"/> d |
| 20 | a | <input checked="" type="radio"/> b | c | d | 40 | a | b | c | <input checked="" type="radio"/> d |