G & T MATHS & G.A. 3

ROB OLLIS

Edition 1

MASTER COACHING

1. $\frac{1}{2} + \frac{1}{2} + \frac{1}{2}$

   a $\frac{3}{8}$ **b** $\frac{1}{8}$ **c** $\frac{3}{6}$ **d** $1\frac{1}{2}$

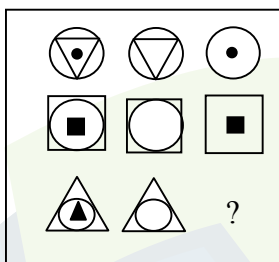2. Eon earns $50 pocket money per week. If he gets a 50% increase his new pocket money will be

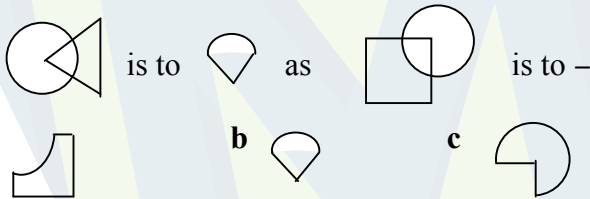   **a** $100   **b** $75   **c** $55   **d** $50.50

3. The drawings in the box go together in a certain way. Find the drawing that goes where you see the question mark (?) in the box

   a   **b**   **c**   **d**

4. is to as is to –

   a   **b**   **c**   **d**

5. Three months ago it was 5 months until Christmas. This month is

   a July   **b** August   **c** September   **d** October

6. Kurt and Hans earn extra money on their back packer trip to Australia by picking apples. For every 3 apples Kurt picks, Hans can only pick two. They are paid according to the number of apples they pick. Kurt is paid $120 for 2 days work. How much did they earn in total during that time?

   a $80   **b** $180   **c** $200   **d** $240

7. The five schools in Philpott District play each other 3 times a year in netball. The total number of netball games per year would be
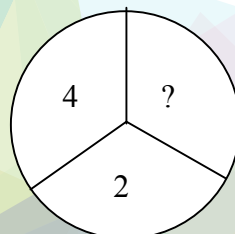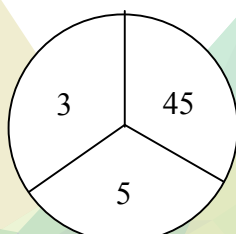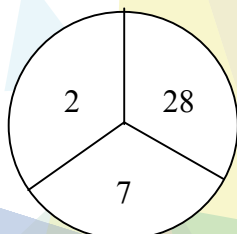
   a 30   **b** 24   **c** 60   **d** 125

8. What number is needed to complete this grist?

   a 32
   b 30
   c 24
   d 16

32. Which of these nets **cannot** be folded to form a cube?

   a P and Q only   **b** Q and R only   **c** P and R only   **d** Q only

33. The total internal and external surface area of any cube which can be constructed from any of the above nets is

   a 54cm^2 **b** 108cm^2 **c** 72cm^2 **d** 144cm^2

34. The volume of this cube is

   a 27cm^3 **b** 9cm^3 **c** 54cm^3 **d** 81cm^3

35. If I begin with 3, do some operations (OP1, OP2 and OP3) on it using +, −, ×, I finish with 75. When I begin with 6 and do the same operations, I finish with 90. Which number should be in the blank circle to finish with 130?

③	OP1	⑮	OP2	③	OP3	◯
⑥	OP1	㉚	OP2	⑱	OP3	◯
◯	OP1	⑦⓪	OP2	㊹	OP3	⑬⓪

   a 14
   b 15
   c 16
   d 17

36. I am thinking of a whole number less than 10. If I multiply the number by itself, and then subtract the number, the answer is 42. The number is

   a 6   **b** 7   **c** 8   **d** 14

37. Ji Yun spends half of her pocket money on travel and each week she spends $12 on food and snacks. This leaves her a third of her pocket money to make other purchases. Her weekly pocket money would be

   a $24   **b** $48   **c** $72   **d** 36

38. The length of a rectangle is three times its width. The area is 108m^2. The perimeter of the rectangle is

   a 21m   **b** 24m   **c** 42m   **d** 48m

39. In a test Mary scored 60 out of 80 whilst Lisa scored 85%. The average of the two scores would be

   a 80%   **b** $82\frac{1}{2}$%   **c** 70%   **d** $72\frac{1}{2}$%

40. Three shirts and four ties costs $245. An extra shirt and a tie cost $75. Find the cost of two shirts and three ties.

   a $160   **b** $170   **c** $175   **d** $180

Master Coaching Keys to Learning:

The following charter has been produced to prepare you the pursuit of excellence that leads to a life-time of rewards and fulfillment. This is a partnership agreement that allows both parties to mutually benefit from your time at Master Coaching

At the coaching session:

1. **Smile, relax, you are focused and in control**
2. **Concentrate, visualize, execute: claim the reward**
3. **Assume success. Our members should approach each test in life enthusiastically; every challenge presents an opportunity to demonstrate your prowess. Relish but don't underestimate the magnitude of the test, instead focus your thoughts towards a positive outcome, a chance to excel; a time to enjoy your moment in the sun.**

Master Coaching Pledge

Master Coaching Pledge

- that your welfare is the paramount consideration in everything that we do
- to be diligent in our preparations which directs our actions in support of you
- show care and give encouragement to you in your striving for excellence
- to personalise all our efforts to your specific needs in all areas
- to encourage you to dare to dream, and to expect that dreams do come true

My Commitment to Master Coaching

- to be honest in all my dealings and
- to accept their accolades and focus my efforts on achieving the zenith in all my endeavours
- to appreciate my cohorts and support them in any way possible
- to live the dream, strive for excellence in everything that I do
  visualise my ultimate success

Christian Avent

CHRISTIAN AVENT
B.Ed. NCAS Principal

Robert A Ollis

ROBERT A. OLLIS
B.Sc., Dip.Ed., M.Sc.
Founder, Master Coaching

Your complete satisfaction is the focus of everything we do.