

Master Coaching

Selective Schools

Mathematics Practice Test

MA-01

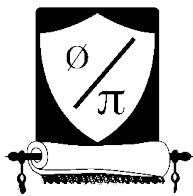
Note ... Correct Answers are provided on a single sheet (as page 6)

There is a blank Answer sheet supplied (as page 7)

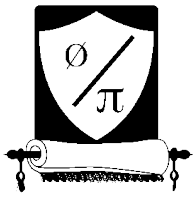
There are 40 multiple-choice questions

Only choose one of the answers **a**, **b**, **c** or **d** at each question

The time allowed is **40 minutes**.



- 11 A rectangular field measures 500 m in length and 300 m in width.
The perimeter is **a** 800 m **b** 1km 600m **c** 15 km **d** 1 km 800m
- 12 The cost of fencing a field with a perimeter of $1\frac{1}{2}$ kilometres at \$400 per 100m is
a \$40000 **b** \$60000 **c** \$4600 **d** \$6000
- 13 The area of a field of length 300m and width 150m is
a 45 hectares **b** 45000 m² **c** 9 ha **d** 900 m²
- 14 A rectangular field 100m by 350m is to be planted with wheat. Seed costs \$1000 per hectare. The total cost to buy enough seed to fully plant this field would be
a \$3500 **b** \$35000 **c** \$9000 **d** \$350
- 15 The volume of a rectangular prism is 36 cm³. The length is 3 cm and the width is 4 cm.
What is the height? **a** 4 cm **b** 12 cm **c** 3 cm **d** 10 cm
- 16 What is the capacity of a cubic container with a length of 3 cm?
a 9cm³ **b** 12cm³ **c** 300cm³ **d** 27cm³
- 17 I made a mistake and divided by 2 instead of multiplying by 4. My answer was 24.
My answer should have been **a** 48 **b** 192 **c** 96 **d** 12
- 18 What is the next number in this pattern? 11, 13, 17, 23, __
a 8 **b** 29 **c** 31 **d** 33
- 19 Six more than twice the product of 9 and 6 is **a** 21 **b** 54 **c** 60 **d** 114
- 20 The four children in a family are given amounts of pocket money according to their ages.
The average amount given to a child is \$6.
Kylie is given \$8, Tom \$4 and Sean \$6.
How much is Natalie given? **a** \$6 **b** \$10 **c** \$4 **d** \$2



21 $2\frac{1}{4}$ km is the same as a 2 km 500 m b 2 km 200 m c 2600 m d 2 km 250 m

22 25% is the same as a $\frac{1}{4}$ b $\frac{1}{2}$ c $2\frac{1}{2}$ d $\frac{25}{10}$

23 $(2 \times 6) \times 0 =$ a 24 b 0 c 12 d 8

24 $(0.5)^2 =$ a 0.10 b 0.25 c 2.5 d 0.025

25 75 mins is the same as a $1\frac{1}{3}$ hrs b $1\frac{3}{4}$ hrs c $1\frac{1}{4}$ hrs d $2\frac{1}{4}$ hrs

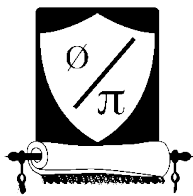
26 Half of the value of the digit 1 in the number 650100 equals
a 5 b 5000 c 500 d 50

27 In an isosceles triangle, two sides are always a parallel b perpendicular
c equal d diagonally opposite

28 One revolution is equal to a a right angle b two straight angles
c three right angles d 320°

29 A square pyramid has a three edges b five vertices
c three right angles d four faces

30 The internal angles in a square must always total a 360° b 180° c 270° d 300°



31 Seven less than triple a number could be written as
a number -7×3 b $7 - 3 \times$ number c $7 \times 3 -$ number d $3 \times$ number -7

32 A rectangular field measures 200 m in length and 400 m in width.
The perimeter is a 600 m b 1 km c 1200 m d 800 m

33 A rectangular field 800m by 100m is an area of
a 8000 m^2 b 80 hectares c 8 ha d 0.8 ha

34 A field of 0.8 ha is to be planted with barley. Seed costs \$500 per hectare.
The total cost of buying enough seed to fully plant this field would be
a \$400 b \$4000 c \$1600 d \$580

35 Parallel lines a are only in circles b remain the same distance apart
c are perpendicular d always meet at a vertex

36 How many millilitres of water will I need to fill six half-litre containers?
a 300 mL b 1000 mL c 6000 mL d 3000 mL

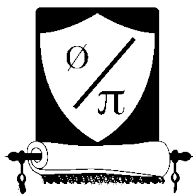
37 I made a mistake and found the quotient of two numbers, instead of the product.
One of the two numbers was 24.
The incorrect answer was 12 but my answer should have been 48.
What was the other number that I started with? a 4 b 2 c 10 d 12

38 What is the missing number in this pattern? 6, 36, 7, 49, ?, 64, 9, 81
a 8 b 10 c 9 d 56

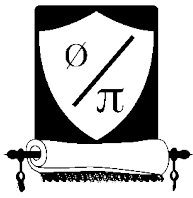
39 What is the next number in this pattern? 14, 21, 27, 32, 36, 39, 41, 42, ____
a 43 b 45 c 0 d 42

40 Which number sentence represents 64? a $19 \times 2 + 13 \times 2$ b $(14 + 8) \times 3$
c $17 - 9 \times 8$ d $8 \times 4 + 4$

----- This is the End of Test MA-01 -----



- | | | | | | | | | | |
|-------|-----|-----|-----|-----|-------|-----|-----|-----|-----|
| 1 | a | (b) | c | d | 21 | a | b | c | (d) |
| 2 | a | b | (c) | d | 22 | (a) | b | c | d |
| 3 | (a) | b | c | d | 23 | a | (b) | c | d |
| 4 | a | b | (c) | d | 24 | a | (b) | c | d |
| 5 | a | (b) | c | d | 25 | a | b | (c) | d |
| ----- | | | | | ----- | | | | |
| 6 | a | b | c | (d) | 26 | a | b | c | (d) |
| 7 | a | (b) | c | d | 27 | a | b | (c) | d |
| 8 | (a) | b | c | d | 28 | a | (b) | c | d |
| 9 | a | b | (c) | d | 29 | a | (b) | c | d |
| 10 | (a) | b | c | d | 30 | (a) | b | c | d |
| ----- | | | | | ----- | | | | |
| 11 | a | (b) | c | d | 31 | a | b | c | (d) |
| 12 | a | b | c | (d) | 32 | a | b | (c) | d |
| 13 | a | (b) | c | d | 33 | a | b | (c) | d |
| 14 | (a) | b | c | d | 34 | (a) | b | c | d |
| 15 | a | b | (c) | d | 35 | a | (b) | c | d |
| ----- | | | | | ----- | | | | |
| 16 | a | b | c | (d) | 36 | a | b | c | (d) |
| 17 | a | (b) | c | d | 37 | a | (b) | c | d |
| 18 | a | b | (c) | d | 38 | (a) | b | c | d |
| 19 | a | b | c | (d) | 39 | a | b | c | (d) |
| 20 | (a) | b | c | d | 40 | (a) | b | c | d |



Date : _____

Name : _____

Score : _____

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* Circle the letter of the best answer to each question ... for example 1 a b d

1 a b c d

21 a b c d

2 a b c d

22 a b c d

3 a b c d

23 a b c d

4 a b c d

24 a b c d

5 a b c d

25 a b c d

6 a b c d

26 a b c d

7 a b c d

27 a b c d

8 a b c d

28 a b c d

9 a b c d

29 a b c d

10 a b c d

30 a b c d

11 a b c d

31 a b c d

12 a b c d

32 a b c d

13 a b c d

33 a b c d

14 a b c d

34 a b c d

15 a b c d

35 a b c d

16 a b c d

36 a b c d

17 a b c d

37 a b c d

18 a b c d

38 a b c d

19 a b c d

39 a b c d

20 a b c d

40 a b c d