

IPS Mansoura
Cambridge Primary Mathematics | Stage 6
Mathematics Examination Paper
Term 1

Name: _____	Class: _____	Date: _____	Marks: ____ / 40
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Instructions: Answer all questions. Show your working. Circle A, B or C where options are given. Calculators must not be used.

1. Here is a number sequence.

12, 17, 22, 27, 32, ...

What is the next number in the sequence?

A 35 B 37 C 36

2. Look at this number: 58.42

What is the value of the digit 4?

A 4 ones B 4 tenths C 4 hundredths

3. Which of these numbers is a multiple of 8?

A 18 B 24 C 28

4. Calculate $67 - 29$.

A 38 B 48 C 36

5. Write the missing number in the box.

$$\square + 47 = 90$$

A 43 B 53 C 37

6. Write the number 0.09 in words.

7. Here is part of a sequence.

8, 15, 22, 29, $\square$, 43

What number goes in the box?

A 35 B 36 C 37

8. Calculate 7.3×100 .

A 73 B 730 C 7.300

9. Write all the factor pairs of 20.

10. Calculate $5.6 + 2.8$.

A 7.4 B 8.4 C 8.2

11. A sequence has the position-to-term rule: term = position $\times$ 6

a) What is the 4th term? _____

b) What is the 9th term? _____

12. Find the common factors of 16 and 24.

13. Here is a sequence of decimal numbers.

4.8, 4.3, 3.8, 3.3, 2.8, ...

What is the next number?

A 2.5 B 2.3 C 2.4

14. Partition this number into its place-value parts.

$$6.05 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$$

15. Write the missing number.

$$\square \div 6 + 5 = 9$$

A 24 B 30 C 54

16. Is 81 divisible by 9? Explain using a test of divisibility.

17. What is the difference between 203 and 178?

A 25 B 35 C 15

18. Put these numbers in order, starting with the smallest.

0.45 0.5 0.405 0.54

_____, _____, _____, _____

19. Here is a sequence.

-12, -7, -2, $\square$, 8, 13

What number is missing?

A 2 B 3 C 4

20. Write the first three common multiples of 5 and 6.

21. Write the missing number.

$$5 \times \square - 12 = 23$$

A 5 B 7 C 8

22. A jug contains 2.4 litres of water. 0.75 litres are poured out.

How much water is left? _____ litres

23. Here is a sequence of fractions.

1, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, 0, ...

What is the next number?

A $-\frac{1}{4}$ B $-\frac{1}{2}$ C $\frac{1}{4}$

24. Complete the table. Write the 8th term.

Position: 1 → 7, 2 → 14, 3 → 21, 4 → 28, 8 → _____

25. Write the missing number.

$$6 \times (\square - 3) = 30$$

A 8 B 5 C 2

26. Calculate:

a) $0.56 \times 10 =$ _____

b) $820 \div 100 =$ _____

27. A caterpillar is 6 mm long on Monday. It grows 4 mm each day.

a) Lengths Mon–Thu: _____

b) Length on following Monday (7 days later): _____ mm

28. Is 154 divisible by 2 and by 3? Is it divisible by 6? Explain.

29. Karim buys 4 packs of cards at \$1.85 each. He pays with a \$10 note.

a) Total cost: \$ _____

b) Change: \$ _____

30. The term is the square of its position.

Write the 2nd, 4th and 7th terms: _____, _____, _____

31. A library has 120 books. 35 are borrowed and 18 are moved.

a) Books remaining: _____

b) Full boxes of 8: _____ Left over: _____

32. A number has 6 in the ones place, 3 in the tenths place and 0 in the hundredths place.

Number: _____ Expanded form: _____

33. Find all common factors of 30 and 45. Which is the greatest?

Common factors: _____ Greatest: _____

34. Write the missing number.

$$(25 - 9) + \square = 22$$

A 4 B 6 C 8

35. Ticket cost (\$) = seat number $\times$ 4.

a) Cost of seat 11: \$ _____

b) Seat number that costs \$52: _____

— End of paper — | Total: 40 marks

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