Worksheet: Number Play

IGCSE · Class 8 · Mathematics · 8 questions · 11 marks

Name: _____	Date: _____	Score: _____ / 11

Q1. If 31z5 is a multiple of 9, the possible values of the digit z are: *[1 mark]*

A) 3 or 6

B) 9 only

C) 0 or 9

D) 0 only

Q2. Which of these numbers is divisible by 11? *[1 mark]*

A) 158

B) 5529

C) 90904

D) 841

Q3. The digital root of a number is 5. What is its remainder when divided by 9? *[1 mark]*

A) 5

B) 4

C) 0

D) 9

Q4. The smallest number that leaves remainder 2 when divided by 3, remainder 3 when divided by 4 and remainder 4 when divided by 5 is: *[1 mark]*

A) 119

B) 62

C) 47

D) 59

Q5. To test whether a number is divisible by 36, it is enough to check divisibility by: *[1 mark]*

A) 6 and 6

B) 3 and 12

C) 2 and 18

D) 4 and 9

Q6. The sum of four consecutive numbers is 34. What is the smallest of them? *[2 marks]*

Q7. The product of any four consecutive integers is always a multiple of: *[1 mark]*

A) 8

B) 24

C) 12

D) 48

Q8. Find the smallest multiple of 9 that has no odd digits. *[3 marks]*