

Name:

Exam Style Questions

Binary



Equipment needed: Pen

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Video Tutorial

www.corbettmaths.com/contents

Video 398



Answers and Video Solutions



1. Write the binary number 101 as a decimal number.



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(1)

2. Write the binary number 1010 as a decimal number.



.....
(1)

3. Write the binary number 1100 in decimal form.



.....
(1)

4. Write the binary number 1011 in decimal form.



.....
(1)

5. Write the decimal number 4 as a binary number.



.....
(1)

6. Write 9 as a binary number.



.....
(1)

7. Write 13 as a binary number.



.....
(1)

8. Write the decimal number 14 as a binary number.



.....
(1)

9. Write the binary number 11010 as a decimal number.



.....
(1)

10. Write the binary number 101111 as a decimal number.



.....
(1)

11. Write the binary number 1101010 in decimal form.



.....
(1)

12. Write the binary number 1011010 in decimal form.



.....
(1)

13. Write the decimal number 40 as a binary number.



.....
(1)

14. Write 55 as a binary number.



.....
(1)

15. Write the decimal number 62 as a binary number.



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(1)

16. Write 93 as a binary number.



.....
(2)

17. Georgina is trying to write the number 28 as a binary number.



16	8	4	2	1
1	1	0	1	2

Her answer is 11012

(a) Explain why Georgina must be wrong.

.....
.....
(1)

(b) What is the correct answer?

.....
(1)

18. Mairéad is trying to write the number 40 as a binary number.



32	16	8	4	2
1	0	1	0	0

Her answer is 10100.

Explain the mistake that Mairéad has made.

.....
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(1)

(b) What is the correct answer?

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(1)