2.90 Age and Difference Problems: 2-hour Pack

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 120 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Arjun is 11 years old and Arjun's cousin is 13. How old will the cousin be when Arjun is 18?

- [ ] A) 16
- [ ] B) 20
- [ ] C) 31
- [ ] D) 18
- [ ] E) 19

---

2 Yusuf is 14 years old. Yusuf's father is 2 times as old as Yusuf. How old will Yusuf's father be when Yusuf is 28?

- [ ] A) 42
- [ ] B) 28
- [ ] C) 43
- [ ] D) 56
- [ ] E) 41

---

3 Mei is 9 years old and Mei's cousin is 15. How old will the cousin be when Mei is 21?

- [ ] A) 39
- [ ] B) 21
- [ ] C) 36
- [ ] D) 15
- [ ] E) 27

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4 Lily is 12 years old and Lily's sister is 16. How old will the sister be when Lily is 27?

- [ ] A) 32
- [ ] B) 46
- [ ] C) 23
- [ ] D) 43
- [ ] E) 31

---

5 Chloe is 13 years old. Chloe's mother is 3 times as old as Chloe. How old will Chloe's mother be when Chloe is 22?

- [ ] A) 47
- [ ] B) 66
- [ ] C) 48
- [ ] D) 49
- [ ] E) 39

---

6 Esme is 11 years old and Esme's sister is 16. How old will the sister be when Esme is 17?

- [ ] A) 22
- [ ] B) 21
- [ ] C) 33
- [ ] D) 23
- [ ] E) 12

---

7 Kofi is 13 years old and Kofi's sister is 17. How old will the sister be when Kofi is 23?

- [ ] A) 40
- [ ] B) 37
- [ ] C) 19
- [ ] D) 26
- [ ] E) 27

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8 Leo is 7 years old. Leo's uncle is 2 times as old as Leo. How old will Leo's uncle be when Leo is 17?

- [ ] A) 34
- [ ] B) 14
- [ ] C) 25
- [ ] D) 24
- [ ] E) 23

---

9 Aisha is 13 years old and Aisha's sister is 16. How old will the sister be when Aisha is 19?

- [ ] A) 22
- [ ] B) 35
- [ ] C) 23
- [ ] D) 16
- [ ] E) 28

---

10 Poppy is 12 years old and Poppy's cousin is 14. How old will the cousin be when Poppy is 31?

- [ ] A) 45
- [ ] B) 29
- [ ] C) 31
- [ ] D) 33
- [ ] E) 32

---

11 Maya is 14 years old. Maya's uncle is 4 times as old as Maya. How old will Maya's uncle be when Maya is 28?

- [ ] A) 56
- [ ] B) 112
- [ ] C) 98
- [ ] D) 69
- [ ] E) 70

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12 Isla is 10 years old and Isla's cousin is 13. How old will the cousin be when Isla is 30?

- [ ] A) 32
- [ ] B) 30
- [ ] C) 33
- [ ] D) 43
- [ ] E) 27

---

13 Ben is 6 years old. Ben's mother is 2 times as old as Ben. How old will Ben's mother be when Ben is 20?

- [ ] A) 40
- [ ] B) 34
- [ ] C) 12
- [ ] D) 26
- [ ] E) 27

---

14 Arjun is 9 years old and Arjun's cousin is 12. How old will the cousin be when Arjun is 24?

- [ ] A) 42
- [ ] B) 27
- [ ] C) 36
- [ ] D) 24
- [ ] E) 21

---

15 Kofi is 10 years old. Kofi's mother is 4 times as old as Kofi. How old will Kofi's mother be when Kofi is 23?

- [ ] A) 53
- [ ] B) 40
- [ ] C) 63
- [ ] D) 92
- [ ] E) 52

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16 Mei is 8 years old and Mei's brother is 13. How old will the brother be when Mei is 17?

- [ ] A) 12
- [ ] B) 23
- [ ] C) 22
- [ ] D) 17
- [ ] E) 30

---

17 Kwame is 9 years old. Kwame's uncle is 4 times as old as Kwame. How old will Kwame's uncle be when Kwame is 13?

- [ ] A) 43
- [ ] B) 49
- [ ] C) 36
- [ ] D) 52
- [ ] E) 40

---

18 Aisha is 6 years old and Aisha's sister is 9. How old will the sister be when Aisha is 36?

- [ ] A) 39
- [ ] B) 36
- [ ] C) 33
- [ ] D) 38
- [ ] E) 45

---

19 Kofi is 9 years old. Kofi's father is 2 times as old as Kofi. How old will Kofi's father be when Kofi is 19?

- [ ] A) 27
- [ ] B) 38
- [ ] C) 37
- [ ] D) 28
- [ ] E) 18

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20 Jack is 11 years old. Jack's father is 4 times as old as Jack. How old will Jack's father be when Jack is 15?

- [ ] A) 26
- [ ] B) 59
- [ ] C) 48
- [ ] D) 60
- [ ] E) 44

---

21 Ethan is 13 years old and Ethan's brother is 20. How old will the brother be when Ethan is 37?

- [ ] A) 37
- [ ] B) 68
- [ ] C) 30
- [ ] D) 57
- [ ] E) 44

---

22 Amara is 2 times as old as Rhys. Their ages add up to 21. How old is Rhys?

- [ ] A) 14
- [ ] B) 6
- [ ] C) 8
- [ ] D) 10.5
- [ ] E) 7

---

23 Callum is 12 years old and Callum's sister is 21. How old will the sister be when Callum is 34?

- [ ] A) 43
- [ ] B) 55
- [ ] C) 25
- [ ] D) 34
- [ ] E) 44

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24 Tariq is 6 years old. Tariq's uncle is 3 times as old as Tariq. How old will Tariq's uncle be when Tariq is 16?

- [ ] A) 42
- [ ] B) 48
- [ ] C) 18
- [ ] D) 28
- [ ] E) 34

---

25 Amara is 11 years old and Amara's sister is 16. How old will the sister be when Amara is 24?

- [ ] A) 42
- [ ] B) 19
- [ ] C) 28
- [ ] D) 40
- [ ] E) 29

---

26 Arjun is 9 years old and Arjun's cousin is 12. How old will the cousin be when Arjun is 18?

- [ ] A) 18
- [ ] B) 21
- [ ] C) 30
- [ ] D) 22
- [ ] E) 15

---

27 Chloe is 8 years old. Chloe's father is 4 times as old as Chloe. How old will Chloe's father be when Chloe is 16?

- [ ] A) 32
- [ ] B) 40
- [ ] C) 24
- [ ] D) 64
- [ ] E) 48

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28 Ravi is 10 years old and Ravi's sister is 14. How old will the sister be when Ravi is 18?

- [ ] A) 21
- [ ] B) 32
- [ ] C) 14
- [ ] D) 30
- [ ] E) 22

---

29 Esme is 10 years old. Esme's father is 4 times as old as Esme. How old will Esme's father be when Esme is 24?

- [ ] A) 96
- [ ] B) 40
- [ ] C) 86
- [ ] D) 54
- [ ] E) 64

---

30 Hamza is 5 years old and Hamza's cousin is 14. How old will the cousin be when Hamza is 18?

- [ ] A) 32
- [ ] B) 18
- [ ] C) 27
- [ ] D) 40
- [ ] E) 9

---

31 Tom is 5 years old and Tom's sister is 14. How old will the sister be when Tom is 24?

- [ ] A) 33
- [ ] B) 52
- [ ] C) 34
- [ ] D) 38
- [ ] E) 15

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32 Anya is 6 years old. Anya's mother is 2 times as old as Anya. How old will Anya's mother be when Anya is 12?

- [ ] A) 18
- [ ] B) 19
- [ ] C) 12
- [ ] D) 24
- [ ] E) 17

---

33 Mei is 8 years old. Mei's father is 4 times as old as Mei. How old will Mei's father be when Mei is 18?

- [ ] A) 32
- [ ] B) 72
- [ ] C) 42
- [ ] D) 26
- [ ] E) 64

---

34 Anya is 7 years old and Anya's cousin is 9. How old will the cousin be when Anya is 37?

- [ ] A) 39
- [ ] B) 40
- [ ] C) 37
- [ ] D) 46
- [ ] E) 35

---

35 Grace is 8 years old. Grace's grandmother is 2 times as old as Grace. How old will Grace's grandmother be when Grace is 13?

- [ ] A) 20
- [ ] B) 29
- [ ] C) 26
- [ ] D) 16
- [ ] E) 21

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36 Arjun is 14 years old. Arjun's uncle is 3 times as old as Arjun. How old will Arjun's uncle be when Arjun is 19?

- [ ] A) 42
- [ ] B) 47
- [ ] C) 57
- [ ] D) 61
- [ ] E) 43

---

37 Harry is 8 years old and Harry's sister is 10. How old will the sister be when Harry is 33?

- [ ] A) 60
- [ ] B) 31
- [ ] C) 35
- [ ] D) 33
- [ ] E) 43

---

38 Ffion is 11 years old. Ffion's grandmother is 4 times as old as Ffion. How old will Ffion's grandmother be when Ffion is 20?

- [ ] A) 53
- [ ] B) 44
- [ ] C) 69
- [ ] D) 80
- [ ] E) 64

---

39 Megan is 6 years old. Megan's grandmother is 2 times as old as Megan. How old will Megan's grandmother be when Megan is 19?

- [ ] A) 24
- [ ] B) 25
- [ ] C) 31
- [ ] D) 12
- [ ] E) 38

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40 Jack is 12 years old. Jack's uncle is 2 times as old as Jack. How old will Jack's uncle be when Jack is 23?

- [ ] A) 46
- [ ] B) 34
- [ ] C) 24
- [ ] D) 35
- [ ] E) 36

---

41 Priya is 13 years old and Priya's brother is 21. How old will the brother be when Priya is 28?

- [ ] A) 49
- [ ] B) 37
- [ ] C) 35
- [ ] D) 20
- [ ] E) 36

---

42 Ewan is 8 years old. Ewan's grandmother is 3 times as old as Ewan. How old will Ewan's grandmother be when Ewan is 16?

- [ ] A) 31
- [ ] B) 24
- [ ] C) 32
- [ ] D) 48
- [ ] E) 33

---

43 Ethan is 14 years old and Ethan's sister is 16. How old will the sister be when Ethan is 34?

- [ ] A) 36
- [ ] B) 32
- [ ] C) 56
- [ ] D) 50
- [ ] E) 34

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44 Imogen is 13 years old. Imogen's uncle is 2 times as old as Imogen. How old will Imogen's uncle be when Imogen is 19?

- [ ] A) 33
- [ ] B) 38
- [ ] C) 26
- [ ] D) 32
- [ ] E) 31

---

45 Leo is 5 years old and Leo's sister is 11. How old will the sister be when Leo is 19?

- [ ] A) 13
- [ ] B) 25
- [ ] C) 19
- [ ] D) 24
- [ ] E) 30

---

46 Maya is 12 years old and Maya's sister is 20. How old will the sister be when Maya is 24?

- [ ] A) 16
- [ ] B) 24
- [ ] C) 31
- [ ] D) 32
- [ ] E) 44

---

47 Aisha is 9 years old. Aisha's father is 4 times as old as Aisha. How old will Aisha's father be when Aisha is 15?

- [ ] A) 24
- [ ] B) 60
- [ ] C) 42
- [ ] D) 36
- [ ] E) 41

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48 Tom is 8 years old and Tom's brother is 14. How old will the brother be when Tom is 23?

- [ ] A) 23
- [ ] B) 29
- [ ] C) 17
- [ ] D) 37
- [ ] E) 30

---

49 Dylan is 4 times as old as Lily. Their ages add up to 70. How old is Lily?

- [ ] A) 17.5
- [ ] B) 35
- [ ] C) 14
- [ ] D) 15
- [ ] E) 56

---

50 Hamza is 10 years old. Hamza's uncle is 3 times as old as Hamza. How old will Hamza's uncle be when Hamza is 20?

- [ ] A) 40
- [ ] B) 50
- [ ] C) 60
- [ ] D) 30
- [ ] E) 41

---

51 Maya is 12 years old and Maya's cousin is 20. How old will the cousin be when Maya is 37?

- [ ] A) 46
- [ ] B) 57
- [ ] C) 29
- [ ] D) 45
- [ ] E) 37

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52 Ravi is 9 years old. Ravi's grandmother is 4 times as old as Ravi. How old will Ravi's grandmother be when Ravi is 18?

- [ ] A) 72
- [ ] B) 36
- [ ] C) 45
- [ ] D) 54
- [ ] E) 27

---

53 Dylan is 9 years old. Dylan's father is 3 times as old as Dylan. How old will Dylan's father be when Dylan is 16?

- [ ] A) 43
- [ ] B) 35
- [ ] C) 27
- [ ] D) 48
- [ ] E) 34

---

54 Poppy is 9 years old and Poppy's brother is 11. How old will the brother be when Poppy is 24?

- [ ] A) 26
- [ ] B) 22
- [ ] C) 27
- [ ] D) 25
- [ ] E) 35

---

55 Megan is 10 years old. Megan's mother is 4 times as old as Megan. How old will Megan's mother be when Megan is 18?

- [ ] A) 72
- [ ] B) 49
- [ ] C) 40
- [ ] D) 48
- [ ] E) 47

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56 Chloe is 13 years old and Chloe's brother is 19. How old will the brother be when Chloe is 29?

- [ ] A) 35
- [ ] B) 23
- [ ] C) 51
- [ ] D) 34
- [ ] E) 48

---

57 Tom is 12 years old. Tom's uncle is 4 times as old as Tom. How old will Tom's uncle be when Tom is 23?

- [ ] A) 92
- [ ] B) 48
- [ ] C) 35
- [ ] D) 59
- [ ] E) 80

---

58 Tariq is 5 years old and Tariq's sister is 7. How old will the sister be when Tariq is 29?

- [ ] A) 29
- [ ] B) 31
- [ ] C) 30
- [ ] D) 27
- [ ] E) 36

---

59 Leo is 12 years old and Leo's sister is 21. How old will the sister be when Leo is 26?

- [ ] A) 35
- [ ] B) 47
- [ ] C) 34
- [ ] D) 49
- [ ] E) 17

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60 Dylan is 9 years old and Dylan's sister is 15. How old will the sister be when Dylan is 14?

- [ ] A) 8
- [ ] B) 25
- [ ] C) 20
- [ ] D) 29
- [ ] E) 19

---

61 Callum is 11 years old. Callum's mother is 3 times as old as Callum. How old will Callum's mother be when Callum is 21?

- [ ] A) 54
- [ ] B) 43
- [ ] C) 33
- [ ] D) 42
- [ ] E) 63

---

62 Ffion is 6 years old and Ffion's brother is 10. How old will the brother be when Ffion is 27?

- [ ] A) 23
- [ ] B) 37
- [ ] C) 32
- [ ] D) 31
- [ ] E) 27

---

63 Ewan is 10 years old and Ewan's sister is 15. How old will the sister be when Ewan is 38?

- [ ] A) 43
- [ ] B) 71
- [ ] C) 33
- [ ] D) 53
- [ ] E) 42

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64 Tariq is 6 years old. Tariq's grandmother is 4 times as old as Tariq. How old will Tariq's grandmother be when Tariq is 14?

- [ ] A) 24
- [ ] B) 33
- [ ] C) 32
- [ ] D) 20
- [ ] E) 56

---

65 Kwame is 13 years old and Kwame's brother is 20. How old will the brother be when Kwame is 29?

- [ ] A) 22
- [ ] B) 35
- [ ] C) 36
- [ ] D) 37
- [ ] E) 49

---

66 Maya is 7 years old and Maya's sister is 11. How old will the sister be when Maya is 20?

- [ ] A) 25
- [ ] B) 16
- [ ] C) 31
- [ ] D) 24
- [ ] E) 23

---

67 Yusuf is 10 years old. Yusuf's mother is 3 times as old as Yusuf. How old will Yusuf's mother be when Yusuf is 18?

- [ ] A) 37
- [ ] B) 54
- [ ] C) 30
- [ ] D) 44
- [ ] E) 38

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68 Esme is 7 years old. Esme's uncle is 2 times as old as Esme. How old will Esme's uncle be when Esme is 19?

- [ ] A) 26
- [ ] B) 14
- [ ] C) 38
- [ ] D) 33
- [ ] E) 27

---

69 Ethan is 6 years old and Ethan's sister is 8. How old will the sister be when Ethan is 29?

- [ ] A) 29
- [ ] B) 37
- [ ] C) 27
- [ ] D) 54
- [ ] E) 31

---

70 Callum is 11 years old. Callum's uncle is 3 times as old as Callum. How old will Callum's uncle be when Callum is 22?

- [ ] A) 45
- [ ] B) 66
- [ ] C) 33
- [ ] D) 44
- [ ] E) 55

---

71 Ben is 10 years old and Ben's sister is 13. How old will the sister be when Ben is 32?

- [ ] A) 35
- [ ] B) 45
- [ ] C) 29
- [ ] D) 34
- [ ] E) 57

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72 Hamza is 5 times as old as Sienna. Their ages add up to 54. How old is Sienna?

- [ ] A) 9
- [ ] B) 10.8
- [ ] C) 45
- [ ] D) 27
- [ ] E) 10

---

73 Ethan is 14 years old and Ethan's brother is 17. How old will the brother be when Ethan is 27?

- [ ] A) 24
- [ ] B) 43
- [ ] C) 30
- [ ] D) 44
- [ ] E) 31

---

74 Harry is 12 years old. Harry's grandmother is 4 times as old as Harry. How old will Harry's grandmother be when Harry is 22?

- [ ] A) 88
- [ ] B) 58
- [ ] C) 34
- [ ] D) 48
- [ ] E) 70

---

75 Esme is 3 times as old as Zainab. Their ages add up to 36. How old is Zainab?

- [ ] A) 12
- [ ] B) 10
- [ ] C) 27
- [ ] D) 8
- [ ] E) 9

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76 Harry is 7 years old. Harry's father is 3 times as old as Harry. How old will Harry's father be when Harry is 20?

- [ ] A) 21
- [ ] B) 53
- [ ] C) 34
- [ ] D) 60
- [ ] E) 33

---

77 Jack is 4 times as old as Ffion. Their ages add up to 35. How old is Ffion?

- [ ] A) 8.75
- [ ] B) 7
- [ ] C) 8
- [ ] D) 28
- [ ] E) 6

---

78 Poppy is 9 years old and Poppy's sister is 11. How old will the sister be when Poppy is 21?

- [ ] A) 21
- [ ] B) 19
- [ ] C) 22
- [ ] D) 23
- [ ] E) 32

---

79 Sienna is 5 times as old as Yusuf. Their ages add up to 96. How old is Yusuf?

- [ ] A) 16
- [ ] B) 80
- [ ] C) 17
- [ ] D) 24
- [ ] E) 19.2

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80 Ethan is 12 years old and Ethan's brother is 17. How old will the brother be when Ethan is 26?

- [ ] A) 32
- [ ] B) 45
- [ ] C) 21
- [ ] D) 31
- [ ] E) 43

---

81 Hamza is 8 years old. Hamza's uncle is 4 times as old as Hamza. How old will Hamza's uncle be when Hamza is 22?

- [ ] A) 45
- [ ] B) 32
- [ ] C) 46
- [ ] D) 54
- [ ] E) 88

---

82 Ffion is 4 times as old as Aisha. Their ages add up to 55. How old is Aisha?

- [ ] A) 10
- [ ] B) 44
- [ ] C) 13.75
- [ ] D) 51
- [ ] E) 11

---

83 Kwame is 7 years old and Kwame's sister is 12. How old will the sister be when Kwame is 31?

- [ ] A) 60
- [ ] B) 36
- [ ] C) 43
- [ ] D) 26
- [ ] E) 31

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84 Imogen is 10 years old. Imogen's father is 3 times as old as Imogen. How old will Imogen's father be when Imogen is 17?

- [ ] A) 37
- [ ] B) 47
- [ ] C) 30
- [ ] D) 36
- [ ] E) 51

---

85 Tariq is 4 times as old as Harry. Their ages add up to 80. How old is Harry?

- [ ] A) 20
- [ ] B) 40
- [ ] C) 16
- [ ] D) 17
- [ ] E) 64

---

86 Poppy is 9 years old. Poppy's mother is 3 times as old as Poppy. How old will Poppy's mother be when Poppy is 24?

- [ ] A) 27
- [ ] B) 42
- [ ] C) 51
- [ ] D) 72
- [ ] E) 41

---

87 Mei is 2 times as old as Harry. Their ages add up to 18. How old is Harry?

- [ ] A) 7
- [ ] B) 9
- [ ] C) 12
- [ ] D) 18
- [ ] E) 6

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88 Tariq is 8 years old and Tariq's brother is 13. How old will the brother be when Tariq is 19?

- [ ] A) 24
- [ ] B) 32
- [ ] C) 35
- [ ] D) 25
- [ ] E) 14

---

89 Isla is 4 times as old as Sana. Their ages add up to 50. How old is Sana?

- [ ] A) 11
- [ ] B) 10
- [ ] C) 40
- [ ] D) 12.5
- [ ] E) 25

---

90 Anya is 6 years old and Anya's sister is 9. How old will the sister be when Anya is 35?

- [ ] A) 35
- [ ] B) 39
- [ ] C) 44
- [ ] D) 32
- [ ] E) 38

---

91 Sienna is 2 times as old as Ethan. Their ages add up to 15. How old is Ethan?

- [ ] A) 6
- [ ] B) 10
- [ ] C) 7.5
- [ ] D) 4
- [ ] E) 5

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92 Fatima is 14 years old and Fatima's brother is 17. How old will the brother be when Fatima is 21?

- [ ] A) 18
- [ ] B) 38
- [ ] C) 21
- [ ] D) 24
- [ ] E) 25

---

93 Callum is 13 years old. Callum's uncle is 2 times as old as Callum. How old will Callum's uncle be when Callum is 27?

- [ ] A) 40
- [ ] B) 53
- [ ] C) 54
- [ ] D) 26
- [ ] E) 41

---

94 Zainab is 2 times as old as Mei. Their ages add up to 45. How old is Mei?

- [ ] A) 22.5
- [ ] B) 14
- [ ] C) 15
- [ ] D) 16
- [ ] E) 30

---

95 Declan is 13 years old and Declan's sister is 19. How old will the sister be when Declan is 32?

- [ ] A) 57
- [ ] B) 38
- [ ] C) 26
- [ ] D) 39
- [ ] E) 51

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96 Kofi is 14 years old. Kofi's grandmother is 4 times as old as Kofi. How old will Kofi's grandmother be when Kofi is 22?

- [ ] A) 63
- [ ] B) 64
- [ ] C) 78
- [ ] D) 88
- [ ] E) 56

---

97 Imogen is 4 times as old as Rhys. Their ages add up to 75. How old is Rhys?

- [ ] A) 15
- [ ] B) 25
- [ ] C) 60
- [ ] D) 18.75
- [ ] E) 16

---

98 Anya is 7 years old and Anya's cousin is 10. How old will the cousin be when Anya is 26?

- [ ] A) 23
- [ ] B) 30
- [ ] C) 29
- [ ] D) 36
- [ ] E) 48

---

99 Ffion is 6 years old. Ffion's uncle is 3 times as old as Ffion. How old will Ffion's uncle be when Ffion is 21?

- [ ] A) 63
- [ ] B) 34
- [ ] C) 18
- [ ] D) 33
- [ ] E) 39

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100 Sienna is 2 times as old as Grace. Their ages add up to 42. How old is Grace?

- [ ] A) 15
- [ ] B) 13
- [ ] C) 21
- [ ] D) 28
- [ ] E) 14

---

101 Grace is 12 years old and Grace's cousin is 17. How old will the cousin be when Grace is 38?

- [ ] A) 55
- [ ] B) 43
- [ ] C) 44
- [ ] D) 42
- [ ] E) 33

---

102 Ben is 14 years old. Ben's uncle is 3 times as old as Ben. How old will Ben's uncle be when Ben is 20?

- [ ] A) 42
- [ ] B) 46
- [ ] C) 47
- [ ] D) 48
- [ ] E) 60

---

103 Ffion is 2 times as old as Ravi. Their ages add up to 33. How old is Ravi?

- [ ] A) 16.5
- [ ] B) 22
- [ ] C) 10
- [ ] D) 33
- [ ] E) 11

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104 Ethan is 8 years old and Ethan's brother is 14. How old will the brother be when Ethan is 36?

- [ ] A) 50
- [ ] B) 36
- [ ] C) 30
- [ ] D) 42
- [ ] E) 43

---

105 Tariq is 3 times as old as Isla. Their ages add up to 32. How old is Isla?

- [ ] A) 7
- [ ] B) 24
- [ ] C) 8
- [ ] D) 16
- [ ] E) 29

---

106 Tom is 10 years old and Tom's sister is 18. How old will the sister be when Tom is 37?

- [ ] A) 72
- [ ] B) 29
- [ ] C) 55
- [ ] D) 46
- [ ] E) 45

---

107 Oliver is 13 years old. Oliver's uncle is 4 times as old as Oliver. How old will Oliver's uncle be when Oliver is 28?

- [ ] A) 67
- [ ] B) 52
- [ ] C) 66
- [ ] D) 112
- [ ] E) 99

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108 Priya is 3 times as old as Niamh. Their ages add up to 48. How old is Niamh?

- [ ] A) 45
- [ ] B) 13
- [ ] C) 12
- [ ] D) 36
- [ ] E) 16

---

109 Yusuf is 9 years old and Yusuf's cousin is 18. How old will the cousin be when Yusuf is 18?

- [ ] A) 36
- [ ] B) 18
- [ ] C) 26
- [ ] D) 27
- [ ] E) 9

---

110 Ravi is 13 years old. Ravi's uncle is 4 times as old as Ravi. How old will Ravi's uncle be when Ravi is 22?

- [ ] A) 88
- [ ] B) 61
- [ ] C) 52
- [ ] D) 62
- [ ] E) 60

---

111 Arjun is 3 times as old as Callum. Their ages add up to 40. How old is Callum?

- [ ] A) 10
- [ ] B) 9
- [ ] C) 11
- [ ] D) 30
- [ ] E) 20

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112 Hamza is 14 years old. Hamza's father is 3 times as old as Hamza. How old will Hamza's father be when Hamza is 26?

- [ ] A) 78
- [ ] B) 54
- [ ] C) 68
- [ ] D) 40
- [ ] E) 42

---

113 Priya is 5 times as old as Oliver. Their ages add up to 36. How old is Oliver?

- [ ] A) 30
- [ ] B) 31
- [ ] C) 7
- [ ] D) 6
- [ ] E) 7.2

---

114 Imogen is 8 years old and Imogen's sister is 11. How old will the sister be when Imogen is 27?

- [ ] A) 38
- [ ] B) 24
- [ ] C) 31
- [ ] D) 27
- [ ] E) 30

---

115 The difference between a parent and their child is 9 years. In 7 years time the parent will be twice as old as the child. Find their current ages.

(2)

---

116 Ffion is 3 times as old as Niamh. Their ages add up to 44. How old is Niamh?

- [ ] A) 11
- [ ] B) 33
- [ ] C) 12
- [ ] D) 41
- [ ] E) 22

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117 Jack is 5 years old and Jack's sister is 12. How old will the sister be when Jack is 15?

- [ ] A) 21
- [ ] B) 22
- [ ] C) 8
- [ ] D) 32
- [ ] E) 27

---

118 Chloe is 5 times as old as Noah. Their ages add up to 90. How old is Noah?

- [ ] A) 45
- [ ] B) 18
- [ ] C) 16
- [ ] D) 15
- [ ] E) 75

---

119 Sana is 8 years old and Sana's sister is 17. How old will the sister be when Sana is 24?

- [ ] A) 33
- [ ] B) 32
- [ ] C) 24
- [ ] D) 15
- [ ] E) 41

---

120 Aisha is 9 years old. Aisha's mother is 2 times as old as Aisha. How old will Aisha's mother be when Aisha is 17?

- [ ] A) 35
- [ ] B) 18
- [ ] C) 27
- [ ] D) 26
- [ ] E) 34

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121 Imogen is 2 times as old as Amara. Their ages add up to 30. How old is Amara?

- [ ] A) 15
- [ ] B) 10
- [ ] C) 11
- [ ] D) 20
- [ ] E) 28

---

122 Zainab is 5 years old and Zainab's cousin is 10. How old will the cousin be when Zainab is 33?

- [ ] A) 66
- [ ] B) 43
- [ ] C) 38
- [ ] D) 28
- [ ] E) 33

---

123 Niamh is 8 years old. Niamh's uncle is 3 times as old as Niamh. How old will Niamh's uncle be when Niamh is 18?

- [ ] A) 35
- [ ] B) 54
- [ ] C) 26
- [ ] D) 24
- [ ] E) 34

---

124 Fatima is 4 times as old as Ravi. Their ages add up to 65. How old is Ravi?

- [ ] A) 16.25
- [ ] B) 32.5
- [ ] C) 14
- [ ] D) 13
- [ ] E) 52

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125 Tom is 5 years old and Tom's sister is 8. How old will the sister be when Tom is 15?

- [ ] A) 17
- [ ] B) 23
- [ ] C) 28
- [ ] D) 12
- [ ] E) 18

---

126 Kwame is 10 years old. Kwame's uncle is 2 times as old as Kwame. How old will Kwame's uncle be when Kwame is 17?

- [ ] A) 34
- [ ] B) 20
- [ ] C) 27
- [ ] D) 24
- [ ] E) 28

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Mark scheme · 2.90 Age and Difference Problems: 2-hour Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

correct option B (20) cao **B1**

Answer: B) 20

Question 2

correct option A (42) cao **B1**

Answer: A) 42

Question 3

correct option E (27) cao **B1**

Answer: E) 27

Question 4

correct option E (31) cao **B1**

Answer: E) 31

Question 5

correct option C (48) cao **B1**

Answer: C) 48

Question 6

correct option A (22) cao **B1**

Answer: A) 22

Question 7

correct option E (27) cao **B1**

Answer: E) 27

Question 8

correct option D (24) cao **B1**

Answer: D) 24

Question 9

correct option A (22) cao **B1**

Answer: A) 22

Question 10

correct option D (33) cao **B1**

Answer: D) 33

Question 11

correct option E (70) cao **B1**

Answer: E) 70

Question 12

correct option C (33) cao **B1**

Answer: C) 33

Question 13

correct option D (26) cao **B1**

Answer: D) 26

Question 14

correct option B (27) cao **B1**

Answer: B) 27

Question 15

correct option A (53) cao **B1**

Answer: A) 53

Question 16

correct option C (22) cao **B1**

Answer: C) 22

Question 17

correct option E (40) cao **B1**

Answer: E) 40

Question 18

correct option A (39) cao **B1**

Answer: A) 39

Question 19

correct option D (28) cao **B1**

Answer: D) 28

Question 20

correct option C (48) cao **B1**

Answer: C) 48

Question 21

correct option E (44) cao **B1**

Answer: E) 44

Question 22

correct option E (7) cao **B1**

Answer: E) 7

Question 23

correct option A (43) cao **B1**

Answer: A) 43

Question 24

correct option D (28) cao **B1**

Answer: D) 28

Question 25

correct option E (29) cao **B1**

Answer: E) 29

Question 26

correct option B (21) cao **B1**

Answer: B) 21

Question 27

correct option B (40) cao **B1**

Answer: B) 40

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Question 28

correct option E (22) cao **B1**

Answer: E) 22

Question 29

correct option D (54) cao **B1**

Answer: D) 54

Question 30

correct option C (27) cao **B1**

Answer: C) 27

Question 31

correct option A (33) cao **B1**

Answer: A) 33

Question 32

correct option A (18) cao **B1**

Answer: A) 18

Question 33

correct option C (42) cao **B1**

Answer: C) 42

Question 34

correct option A (39) cao **B1**

Answer: A) 39

Question 35

correct option E (21) cao **B1**

Answer: E) 21

Question 36

correct option B (47) cao **B1**

Answer: B) 47

Question 37

correct option C (35) cao **B1**

Answer: C) 35

Question 38

correct option A (53) cao **B1**

Answer: A) 53

Question 39

correct option B (25) cao **B1**

Answer: B) 25

Question 40

correct option D (35) cao **B1**

Answer: D) 35

Question 41

correct option E (36) cao **B1**

Answer: E) 36

Question 42

correct option C (32) cao **B1**

Answer: C) 32

Question 43

correct option A (36) cao **B1**

Answer: A) 36

Question 44

correct option D (32) cao **B1**

Answer: D) 32

Question 45

correct option B (25) cao **B1**

Answer: B) 25

Question 46

correct option D (32) cao **B1**

Answer: D) 32

Question 47

correct option C (42) cao **B1**

Answer: C) 42

Question 48

correct option B (29) cao **B1**

Answer: B) 29

Question 49

correct option C (14) cao **B1**

Answer: C) 14

Question 50

correct option A (40) cao **B1**

Answer: A) 40

Question 51

correct option D (45) cao **B1**

Answer: D) 45

Question 52

correct option C (45) cao **B1**

Answer: C) 45

Question 53

correct option E (34) cao **B1**

Answer: E) 34

Question 54

correct option A (26) cao **B1**

Answer: A) 26

Question 55

correct option D (48) cao **B1**

Answer: D) 48

Question 56

correct option A (35) cao **B1**

Answer: A) 35

Question 57

correct option D (59) cao **B1**

Answer: D) 59

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Question 58

correct option B (31) cao **B1**

Answer: B) 31

Question 59

correct option A (35) cao **B1**

Answer: A) 35

Question 60

correct option C (20) cao **B1**

Answer: C) 20

Question 61

correct option B (43) cao **B1**

Answer: B) 43

Question 62

correct option D (31) cao **B1**

Answer: D) 31

Question 63

correct option A (43) cao **B1**

Answer: A) 43

Question 64

correct option C (32) cao **B1**

Answer: C) 32

Question 65

correct option C (36) cao **B1**

Answer: C) 36

Question 66

correct option D (24) cao **B1**

Answer: D) 24

Question 67

correct option E (38) cao **B1**

Answer: E) 38

Question 68

correct option A (26) cao **B1**

Answer: A) 26

Question 69

correct option E (31) cao **B1**

Answer: E) 31

Question 70

correct option D (44) cao **B1**

Answer: D) 44

Question 71

correct option A (35) cao **B1**

Answer: A) 35

Question 72

correct option A (9) cao **B1**

Answer: A) 9

Question 73

correct option C (30) cao **B1**

Answer: C) 30

Question 74

correct option B (58) cao **B1**

Answer: B) 58

Question 75

correct option E (9) cao **B1**

Answer: E) 9

Question 76

correct option C (34) cao **B1**

Answer: C) 34

Question 77

correct option B (7) cao **B1**

Answer: B) 7

Question 78

correct option D (23) cao **B1**

Answer: D) 23

Question 79

correct option A (16) cao **B1**

Answer: A) 16

Question 80

correct option D (31) cao **B1**

Answer: D) 31

Question 81

correct option C (46) cao **B1**

Answer: C) 46

Question 82

correct option E (11) cao **B1**

Answer: E) 11

Question 83

correct option B (36) cao **B1**

Answer: B) 36

Question 84

correct option A (37) cao **B1**

Answer: A) 37

Question 85

correct option C (16) cao **B1**

Answer: C) 16

Question 86

correct option B (42) cao **B1**

Answer: B) 42

Question 87

correct option E (6) cao **B1**

Answer: E) 6

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Question 88

correct option A (24) cao **B1**

Answer: A) 24

Question 89

correct option B (10) cao **B1**

Answer: B) 10

Question 90

correct option E (38) cao **B1**

Answer: E) 38

Question 91

correct option E (5) cao **B1**

Answer: E) 5

Question 92

correct option D (24) cao **B1**

Answer: D) 24

Question 93

correct option A (40) cao **B1**

Answer: A) 40

Question 94

correct option C (15) cao **B1**

Answer: C) 15

Question 95

correct option B (38) cao **B1**

Answer: B) 38

Question 96

correct option B (64) cao **B1**

Answer: B) 64

Question 97

correct option A (15) cao **B1**

Answer: A) 15

Question 98

correct option C (29) cao **B1**

Answer: C) 29

Question 99

correct option D (33) cao **B1**

Answer: D) 33

Question 100

correct option E (14) cao **B1**

Answer: E) 14

Question 101

correct option B (43) cao **B1**

Answer: B) 43

Question 102

correct option D (48) cao **B1**

Answer: D) 48

Question 103

correct option E (11) cao **B1**

Answer: E) 11

Question 104

correct option D (42) cao **B1**

Answer: D) 42

Question 105

correct option C (8) cao **B1**

Answer: C) 8

Question 106

correct option E (45) cao **B1**

Answer: E) 45

Question 107

correct option A (67) cao **B1**

Answer: A) 67

Question 108

correct option C (12) cao **B1**

Answer: C) 12

Question 109

correct option D (27) cao **B1**

Answer: D) 27

Question 110

correct option B (61) cao **B1**

Answer: B) 61

Question 111

correct option A (10) cao **B1**

Answer: A) 10

Question 112

correct option B (54) cao **B1**

Answer: B) 54

Question 113

correct option D (6) cao **B1**

Answer: D) 6

Question 114

correct option E (30) cao **B1**

Answer: E) 30

Question 115

Let child = x, parent = x + 9; equation x + 9 + 7 = 2(x + 7) seen **M1**

child 2 and parent 11 cao **A1**

Answer: Child 2 years, parent 11 years (x = 2).

Question 116

correct option A (11) cao **B1**

Answer: A) 11

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Question 117

correct option B (22) cao **B1**

Answer: B) 22

Question 118

correct option D (15) cao **B1**

Answer: D) 15

Question 119

correct option A (33) cao **B1**

Answer: A) 33

Question 120

correct option D (26) cao **B1**

Answer: D) 26

Question 121

correct option B (10) cao **B1**

Answer: B) 10

Question 122

correct option C (38) cao **B1**

Answer: C) 38

Question 123

correct option E (34) cao **B1**

Answer: E) 34

Question 124

correct option D (13) cao **B1**

Answer: D) 13

Question 125

correct option E (18) cao **B1**

Answer: E) 18

Question 126

correct option C (27) cao **B1**

Answer: C) 27

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