

Solving one-step and two-step equations

Grade 3 | Foundation | 22 questions, 60 marks

GCSE Maths topic practice



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Name: _____

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1 Solve $x + 7 = 12$

(1 mark)

Answer _____

2 Solve $\frac{w}{4} + 2 = 9$

(2 marks)

Answer _____

3 Solve

a. $x + 7 = 12$

b. $4y = 28$

c. $\frac{m}{3} = 5$

(3 marks)

Answer _____

4 Solve $y - 9 = 14$

(1 mark)

Answer _____

5 Solve $5x - 7 = 23$

(2 marks)

Answer _____

6a. Solve $4m = 28$ b. Solve $t \div 5 = 6$

(2 marks)

Answer _____

7Solve $3(x + 4) = 27$

(2 marks)

Answer _____

8a. Solve $w + 13 = 40$ b. Solve $8k = 60$

(2 marks)

Answer _____

9a. Solve $c - 8 = 11$ b. Solve $6d = 54$ c. Solve $e \div 4 = 7$

(3 marks)

Answer _____

10Solve $\frac{2x + 5}{3} = 7$

(3 marks)

Answer _____

11

a. Solve $2x + 5 = 21$ b. Solve $3x - 4 = 11$

(3 marks)

Answer _____

12

I think of a number. I multiply it by 4 and then subtract 7. The answer is 29.

Work out my number.

(3 marks)

Answer _____

13

Solve $\frac{x}{4} + 3 = 8$

(3 marks)

Answer _____

14

a. Solve $3f = 19.5$ b. Solve $g + 4.7 = 9.2$ c. Solve $h \div 6 = 2.5$

(3 marks)

Answer _____

15

Priya thinks of a number.

She multiplies the number by 4 and then subtracts 9.

Her answer is 35.

Work out the number Priya thought of.

(3 marks)

Answer _____

16

- a. Solve $p + 9 = 4$
- b. Solve $5q = -30$
- c. Solve $r - 3 = -10$

(3 marks)

Answer _____

17

Tom is y years old.

His sister Freya is 7 years older than Tom.

- a. Write down an expression, in terms of y , for Freya's age.
- b. The sum of Tom's age and Freya's age is 23 years.
Work out Tom's age.

(3 marks)

Answer _____

18

A rectangle has length $(2x + 3)$ cm and width 5 cm.

The perimeter of the rectangle is 36 cm.

Work out the value of x .

(4 marks)

Answer _____

19

- a. Solve $7s = 42$
- b. Solve $2t + 5 = 17$

(3 marks)

Answer _____

20

- a. Solve $15 = v + 8$
b. Solve $4w - 3 = 25$

(3 marks)

Answer _____

21

- a. Solve $x - 17 = 26$
b. Solve $5y + 8 = 43$
c. Solve $20 - z = 12$

(4 marks)

Answer _____

22

The angles of a triangle are x° , $(2x + 10)^\circ$ and $(3x + 20)^\circ$.
Work out the size of the largest angle.

(4 marks)

Answer _____

End of questions | Total 60 marks