

Session 7 Algebra Tasks

Task 1

Use one of the following 2 symbols for Task 1

= or \neq

Example 1 $4 = 3 + 1$ 4 is equal to $3 + 1$

Example 2 $8 \neq 9 - 2$ 8 is NOT equal to $9 - 1$

Example 3 $2 \times 6 = 4 \times 3$ 2 x 6 is equal to 4 x 3

Questions

1) 7 $3 + 4$ 2) $5 + 3$ 9

3) 12 6×3 4) $5 + 6$ $\frac{1}{2}$ of 22

5) 5×4 2×10 6) $30 - 12$ double 8

Task 2

Use one of the following 3 symbols for Task 2

< > =

Example 1 4 < 5 4 is less than 5

Example 2 8 – 1 > 6 8 – 1 is more than 6

Example 3 2 x 3 = 6 2 x 3 equals 6

Set 1

- 1) 7 5
- 2) 5 5
- 3) 12 7
- 4) 10 6
- 5) 6 4
- 6) 4 4
- 7) 9 11
- 8) 6 2
- 9) 8 5
- 10) 11 10
- 11) 3 5
- 12) 5 5

Set 2

- 1) 9 x 2 14
- 2) 9 + 3 5
- 3) 11 - 2 11
- 4) 7 x 3 3
- 5) 5 + 4 7
- 6) 8 - 2 11
- 7) 8 x 2 7
- 8) 5 + 3 4
- 9) 3 - 1 4
- 10) 3 x 2 8
- 11) 6 + 3 4
- 12) 8 - 1 6

Task 3

Use one of the following 3 symbols for Task 3

< > =

Questions

1) 7×3 5×4 2) $15 + 3$ double 10

3) double 19 6×6 4) $15 + 6$ $\frac{1}{2}$ of 46

5) 5×9 6×8 6) $29 + 56$ double 43

Task 4

Write down the missing number

1) $3 + \diamond = 5$ 2) $\diamond + 7 = 10$

3) $8 + \diamond = 14$ 4) $\diamond + 7 = 16$

5) $13 + \diamond = 19$ 6) $\diamond + 17 = 25$

7) $9 - \diamond = 6$ 8) $\diamond - 3 = 7$

9) $5 \times \diamond = 20$ 10) $\diamond \times 6 = 12$

Task 5

Solve the algebraic equation to find the value of x

1) $x + 3 = 8$

2) $x + 7 = 13$

3) $x + 5 = 12$

4) $x + 12 = 21$

5) $x + 23 = 31$

6) $x + 30 = 71$

7) $3x = 12$

8) $4x = 20$

9) $5x = 10$

10) $6x = 18$

Task 6

Solve the algebraic equation to find the value of x

1) $x - 3 = 4$

2) $x - 2 = 7$

3) $x - 5 = 8$

4) $x - 2 = 1$

5) $x - 7 = 8$

6) $x - 12 = 8$

7) $3x = 21$

8) $4x = 36$

9) $5x = 60$

10) $6x = 48$