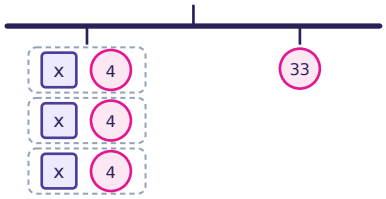
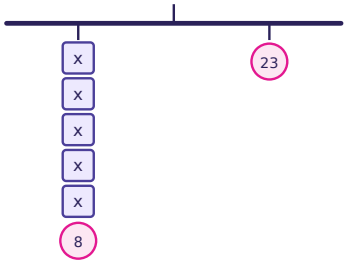
Task card 1 Hanger Diagrams & Balanced Equatio...

The left side is 3 equal groups of x and 4. Find x.



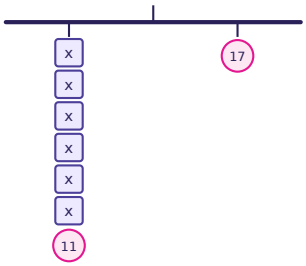
Task card 2 Hanger Diagrams & Balanced Equatio...

Find x.



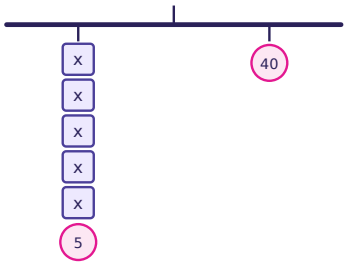
Task card 3 Hanger Diagrams & Balanced Equatio...

Find x.



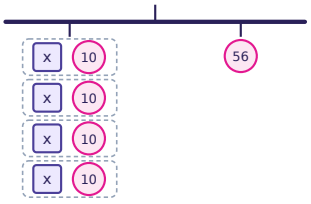
Task card 4 Hanger Diagrams & Balanced Equatio...

Find x.



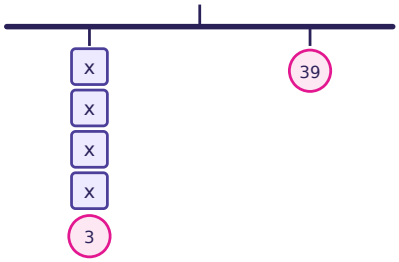
Task card 5 Hanger Diagrams & Balanced Equatio...

The left side is 4 equal groups of x and 10. Find x.



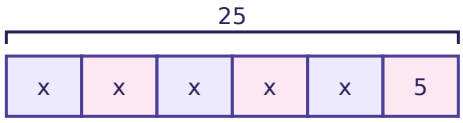
Task card 6 Hanger Diagrams & Balanced Equatio...

Find x.



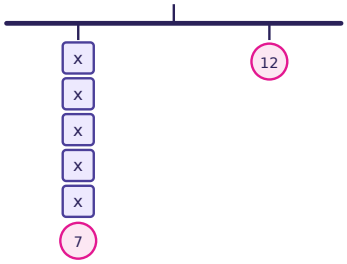
Task card 7 Hanger Diagrams & Balanced Equatio...

The tape diagram shows 5 parts of x and 5 more, making 25. Find x.



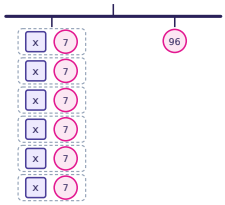
Task card 8 Hanger Diagrams & Balanced Equatio...

Find x.



Task card 9 Hanger Diagrams & Balanced Equatio...

The left side is 6 equal groups of x and 7. Find x.



Task card 10 Hanger Diagrams & Balanced Equatio...

$$6(x + 1) = 48$$

Task card 11 Hanger Diagrams & Balanced Equatio...

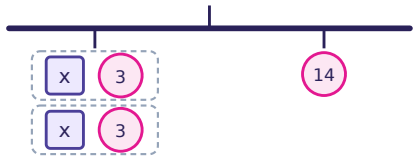
$$5x + 9 = 29$$

Task card 12 Hanger Diagrams & Balanced Equatio...

$$4(x + 1) = 16$$

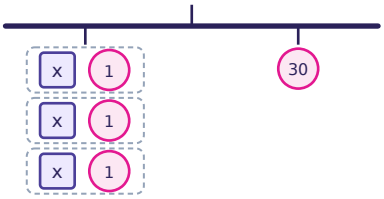
Task card 13 Hanger Diagrams & Balanced Equatio...

The left side is 2 equal groups of x and 3. Find x.



Task card 14 Hanger Diagrams & Balanced Equatio...

The left side is 3 equal groups of x and 1. Find x.

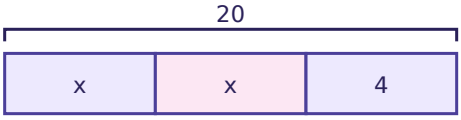


Task card 15 Hanger Diagrams & Balanced Equatio...

$$2x + 10 = 28$$

Task card 16 Hanger Diagrams & Balanced Equatio...

The tape diagram shows 2 parts of x and 4 more, making 20. Find x.

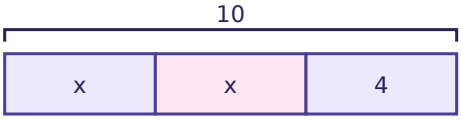


Task card 17 Hanger Diagrams & Balanced Equatio...

$$6(x + 5) = 66$$

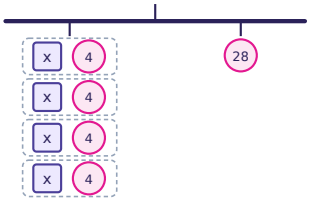
Task card 18 Hanger Diagrams & Balanced Equatio...

The tape diagram shows 2 parts of x and 4 more, making 10. Find x.



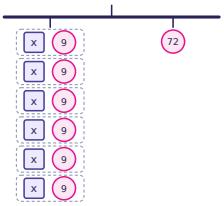
Task card 19 Hanger Diagrams & Balanced Equatio...

The left side is 4 equal groups of x and 4. Find x.



Task card 20 Hanger Diagrams & Balanced Equatio...

The left side is 6 equal groups of x and 9. Find x.

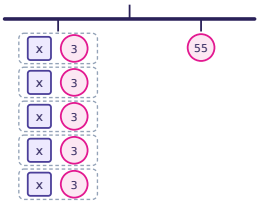


Task card 21 Hanger Diagrams & Balanced Equatio...

$$2x + 4 = 20$$

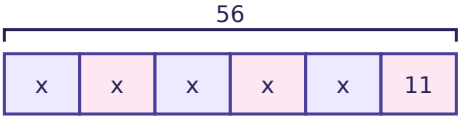
Task card 22 Hanger Diagrams & Balanced Equatio...

The left side is 5 equal groups of x and 3. Find x.



Task card 23 Hanger Diagrams & Balanced Equatio...

The tape diagram shows 5 parts of x and 11 more, making 56. Find x.



Task card 24 Hanger Diagrams & Balanced Equatio...

The left side is 2 equal groups of x and 7. Find x.



Hanger Diagrams & Balanced Equations Task Cards

Recording sheet · Grade 7 · The hanger is balanced, so both sides weigh the same. Write the equation in your head and find x.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Hanger Diagrams & Balanced Equations Task Cards: Answer Key

Grade 7 · Medium

The answers online

1. 7	**2.** 3	**3.** 1
4. 7	**5.** 4	**6.** 9
7. 4	**8.** 1	**9.** 9
10. 7	**11.** 4	**12.** 3
13. 4	**14.** 9	**15.** 9
16. 8	**17.** 6	**18.** 3
19. 3	**20.** 3	**21.** 8
22. 8	**23.** 9	**24.** 2