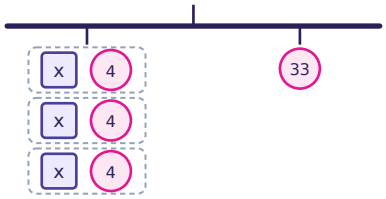
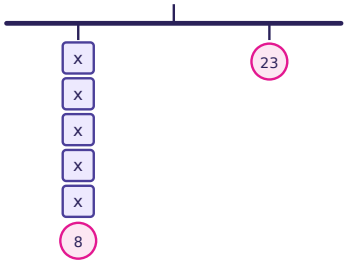
**Task card 1** Hanger Diagrams & Balanced Equatio...

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



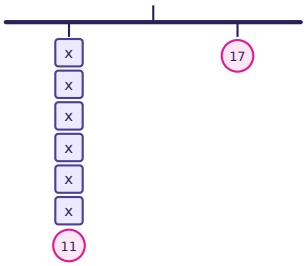

**Task card 2** Hanger Diagrams & Balanced Equatio...

Find x.



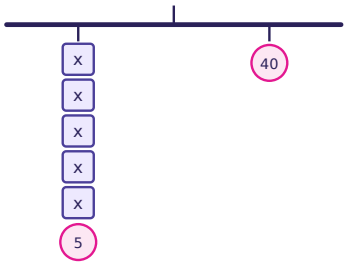

**Task card 3** Hanger Diagrams & Balanced Equatio...

Find x.



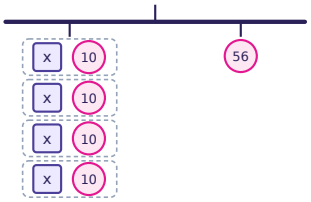

**Task card 4** Hanger Diagrams & Balanced Equatio...

Find x.



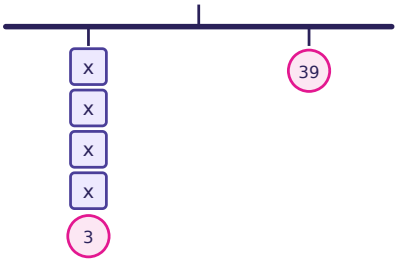

**Task card 5** Hanger Diagrams & Balanced Equatio...

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



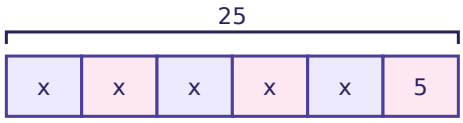

**Task card 6** Hanger Diagrams & Balanced Equatio...

Find x.



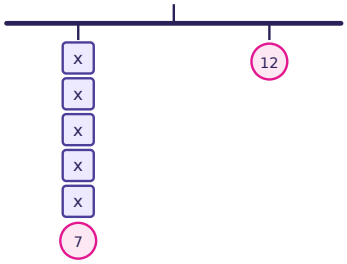
**Task card 7** Hanger Diagrams & Balanced Equatio...

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



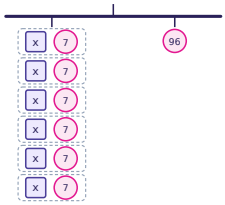

**Task card 8** Hanger Diagrams & Balanced Equatio...

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...

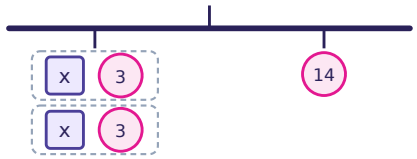
$$5x + 9 = 29$$

**Task card 12** Hanger Diagrams & Balanced Equatio...

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

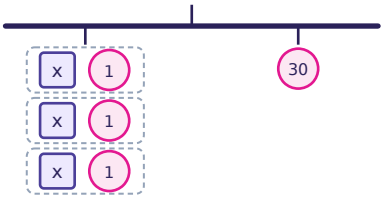
**Task card 13** Hanger Diagrams & Balanced Equatio...

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.

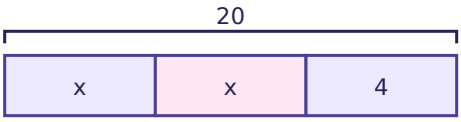



**Task card 15** Hanger Diagrams & Balanced Equatio...

$$2x + 10 = 28$$

**Task card 16** Hanger Diagrams & Balanced Equatio...

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

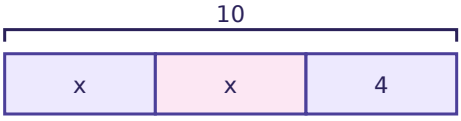



**Task card 17** Hanger Diagrams & Balanced Equatio...

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

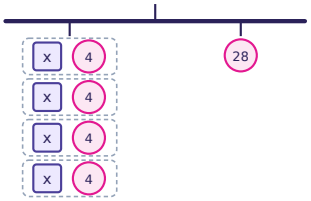
**Task card 18** Hanger Diagrams & Balanced Equatio...

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



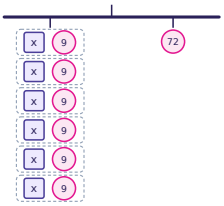
**Task card 19** Hanger Diagrams & Balanced Equatio...

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.

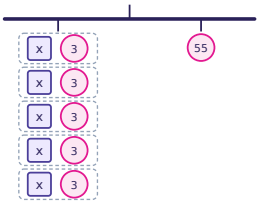



**Task card 21** Hanger Diagrams & Balanced Equatio...

$$2x + 4 = 20$$

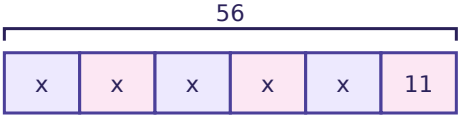
**Task card 22** Hanger Diagrams & Balanced Equatio...

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



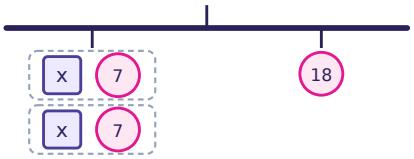

**Task card 23** Hanger Diagrams & Balanced Equatio...

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 |