Task card 1 Partitioning a Directed Line Segme...

Point P divides AB in the ratio 2:1. What fraction of the way from A to B is P?

Task card 2 Partitioning a Directed Line Segme...

On a number line, A is at 7 and B is at 15. Point P is $\frac{3}{4}$ of the way from A to B. Find the coordinate of P.



Task card 3 Partitioning a Directed Line Segme...

On a number line, A is at 10 and B is at 14. Point P divides AB in the ratio 3:1. Find the coordinate of P.



Task card 4 Partitioning a Directed Line Segme...

On a number line, A is at 7 and B is at 10. Point P divides AB in the ratio 1:2. Find the coordinate of P.



Task card 5 Partitioning a Directed Line Segme...

Point P divides AB in the ratio 1:2. What fraction of the way from A to B is P?

Task card 6 Partitioning a Directed Line Segme...

On a number line, A is at 2 and B is at 5. Point P divides AB in the ratio 1:2. Find the coordinate of P.



Task card 7 Partitioning a Directed Line Segme...

On a number line, A is at 9 and B is at 13. Point P is $\frac{1}{4}$ of the way from A to B. Find the coordinate of P.



Task card 8 Partitioning a Directed Line Segme...

On a number line, A is at 5 and B is at 11. Point P divides AB in the ratio 1:2. Find the coordinate of P.



Task card 9 Partitioning a Directed Line Segme...

On a number line, A is at 1 and B is at 4. Point P divides AB in the ratio 2:1. Find the coordinate of P.



Task card 10 Partitioning a Directed Line Segme...

Point P divides AB in the ratio 3:1. What fraction of the way from A to B is P?

Task card 11 Partitioning a Directed Line Segme...

On a number line, A is at 1 and B is at 5. Point P divides AB in the ratio 1:3. Find the coordinate of P.



Task card 12 Partitioning a Directed Line Segme...

On a number line, A is at -6 and B is at -9. Point P divides AB in the ratio 2:1. Find the coordinate of P.



Task card 13 Partitioning a Directed Line Segme...

On a number line, A is at 14, P is at 18 and B is at 24. Find the ratio AP:PB in simplest form.



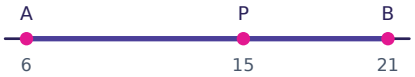
Task card 14 Partitioning a Directed Line Segme...

On a number line, A is at 10 and B is at 25. Point P divides AB in the ratio 1:4. Find the coordinate of P.



Task card 15 Partitioning a Directed Line Segme...

On a number line, A is at 6, P is at 15 and B is at 21. Find the ratio AP:PB in simplest form.



Task card 16 Partitioning a Directed Line Segme...

On a number line, A is at 12 and B is at 15. Point P is $\frac{2}{3}$ of the way from A to B. Find the coordinate of P.



Task card 17 Partitioning a Directed Line Segme...

On a number line, A is at 7 and B is at 13. Point P divides AB in the ratio 2:1. Find the coordinate of P.



Task card 18 Partitioning a Directed Line Segme...

On a number line, A is at 12 and B is at 18. Point P divides AB in the ratio 1:2. Find the coordinate of P.



Task card 19 Partitioning a Directed Line Segme...

On a number line, A is at 5 and B is at 13. Point P divides AB in the ratio 1:3. Find the coordinate of P.



Task card 20 Partitioning a Directed Line Segme...

On a number line, A is at 11 and B is at 15. Point P is $\frac{1}{4}$ of the way from A to B. Find the coordinate of P.



Task card 21 Partitioning a Directed Line Segme...

On a number line, A is at 0 and B is at 4. Point P divides AB in the ratio 3:1. Find the coordinate of P.



Task card 22 Partitioning a Directed Line Segme...

On a number line, A is at 4 and B is at 7. Point P divides AB in the ratio 2:1. Find the coordinate of P.



Task card 23 Partitioning a Directed Line Segme...

On a number line, A is at 12 and B is at 21. Point P divides AB in the ratio 1:2. Find the coordinate of P.



Task card 24 Partitioning a Directed Line Segme...

On a number line, A is at 12, P is at 18 and B is at 20. Find the ratio AP:PB in simplest form.



Partitioning a Directed Line Segment Task Cards

Recording sheet · Grade 10 · A point P that divides AB in the ratio m:n has AP:PB = m:n, measured from A toward B. Write points as ordered pairs like (3, -2) and ratios like 2:3.

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

Partitioning a Directed Line Segment Task Cards: Answer Key

Grade 10 · Easy

The answers online

1. $\frac{2}{3}$	**2.** 13	**3.** 13
4. 8	**5.** $\frac{1}{3}$	**6.** 3
7. 10	**8.** 7	**9.** 3
10. $\frac{3}{4}$	**11.** 2	**12.** -8
13. 2:3	**14.** 13	**15.** 3:2
16. 14	**17.** 11	**18.** 14
19. 7	**20.** 12	**21.** 3
22. 6	**23.** 15	**24.** 3:1