Task card 1 Partitioning a Directed Line Segme...

On a number line, A is at -8 and B is at -14. Point P divides AB in the ratio 2:1. Find the coordinate of P.



Task card 2 Partitioning a Directed Line Segme...

On a number line, A is at -15, P is at -27 and B is at -30. Find the ratio AP:PB in simplest form.



Task card 3 Partitioning a Directed Line Segme...

On a number line, A is at -9 and B is at -18. Point P divides AB in the ratio 2:1. Find the coordinate of P.



Task card 4 Partitioning a Directed Line Segme...

On a number line, A is at -14, P is at -17 and B is at -26. Find the ratio AP:PB in simplest form.



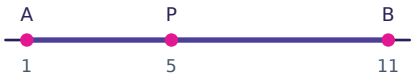
Task card 5 Partitioning a Directed Line Segme...

On a number line, A is at 11 and B is at -4. Point P divides AB in the ratio 3:2. Find the coordinate of P.



Task card 6 Partitioning a Directed Line Segme...

On a number line, A is at 1, P is at 5 and B is at 11. Find the ratio AP:PB in simplest form.



Task card 7 Partitioning a Directed Line Segme...

On a number line, A is at 14 and B is at 8. Point P divides AB in the ratio 1:2. Find the coordinate of P.



Task card 8 Partitioning a Directed Line Segme...

On a number line, A is at -15, P is at -13 and B is at -10. Find the ratio AP:PB in simplest form.



Task card 9 Partitioning a Directed Line Segme...

On a number line, A is at 10 and B is at -4. Point P divides the directed segment from B to A in the ratio 5:2, so BP:PA = 5:2. Find the coordinate of P.



Task card 10 Partitioning a Directed Line Segme...

On a number line, A is at -4 and B is at 11. Point P divides AB in the ratio 3:2. Find the coordinate of P.



Task card 11 Partitioning a Directed Line Segme...

On a number line, A is at -13, P is at -11 and B is at -10. Find the ratio AP:PB in simplest form.



Task card 12 Partitioning a Directed Line Segme...

On a number line, A is at -7 and B is at -12. Point P divides AB in the ratio 3:2. Find the coordinate of P.



Task card 13 Partitioning a Directed Line Segme...

On a number line, A is at -6, P is at -4 and B is at 4. Find the ratio AP:PB in simplest form.



Task card 14 Partitioning a Directed Line Segme...

On a number line, A is at 9 and B is at 3. Point P divides AB in the ratio 2:1. Find the coordinate of P.



Task card 15 Partitioning a Directed Line Segme...

On a number line, A is at -4, P is at 2 and B is at 5. Find the ratio AP:PB in simplest form.



Task card 16 Partitioning a Directed Line Segme...

On a number line, A is at 14 and B is at 29. Point P divides AB in the ratio 2:3. Find the coordinate of P.



Task card 17 Partitioning a Directed Line Segme...

On a number line, A is at -6, P is at -4 and B is at 0. Find the ratio AP:PB in simplest form.



Task card 18 Partitioning a Directed Line Segme...

On a number line, A is at 0 and B is at -21. Point P divides the directed segment from B to A in the ratio 2:5, so BP:PA = 2:5. Find the coordinate of P.



Task card 19 Partitioning a Directed Line Segme...

On a number line, A is at -14 and B is at -20. Point P divides AB in the ratio 2:1. Find the coordinate of P.



Task card 20 Partitioning a Directed Line Segme...

On a number line, A is at -7, P is at -13 and B is at -15. Find the ratio AP:PB in simplest form.



Task card 21 Partitioning a Directed Line Segme...

On a number line, A is at 1 and B is at 11. Point P divides AB in the ratio 1:4. Find the coordinate of P.



Task card 22 Partitioning a Directed Line Segme...

On a number line, A is at 4, P is at 2 and B is at -2. Find the ratio AP:PB in simplest form.



Task card 23 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 24 Partitioning a Directed Line Segme...

On a number line, A is at -7, P is at -4 and B is at 8. 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 · Medium

The answers online

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