Task card 1 Partitioning a Directed Line Segme...

On a number line, A is at 0 and B is at 5. Point P divides the directed segment from B to A in the ratio 1:4, so BP:PA = 1:4. Find the coordinate of P.



Task card 2 Partitioning a Directed Line Segme...

On a number line, A is at 11 and B is at 18. 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 3 Partitioning a Directed Line Segme...

On a number line, A is at 10 and B is at 38. 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 4 Partitioning a Directed Line Segme...

On a number line, A is at -13 and B is at 15. 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 5 Partitioning a Directed Line Segme...

On a number line, A is at 4 and B is at 14. Point P divides the directed segment from B to A in the ratio 4:1, so BP:PA = 4:1. Find the coordinate of P.



Task card 6 Partitioning a Directed Line Segme...

On a number line, A is at -15 and B is at -33. Point P divides the directed segment from B to A in the ratio 1:5, so BP:PA = 1:5. Find the coordinate of P.



Task card 7 Partitioning a Directed Line Segme...

On a number line, A is at -3 and B is at 3. Point P divides the directed segment from B to A in the ratio 1:5, so BP:PA = 1:5. Find the coordinate of P.



Task card 8 Partitioning a Directed Line Segme...

On a number line, A is at 3 and B is at 21. Point P divides the directed segment from B to A in the ratio 5:1, so BP:PA = 5:1. Find the coordinate of P.



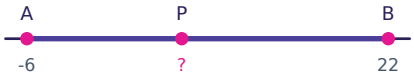
Task card 9 Partitioning a Directed Line Segme...

On a number line, A is at -5 and B is at 23. 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 -6 and B is at 22. Point P divides the directed segment from B to A in the ratio 4:3, so BP:PA = 4:3. Find the coordinate of P.



Task card 11 Partitioning a Directed Line Segme...

On a number line, A is at -9 and B is at -2. Point P divides the directed segment from B to A in the ratio 4:3, so BP:PA = 4:3. 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 11. Point P divides the directed segment from B to A in the ratio 2:3, so BP:PA = 2:3. Find the coordinate of P.



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

Partitioning a Directed Line Segment Task Cards: Answer Key

Grade 10 · Hard

The answers online

1. 4	**2.** 16	**3.** 18
4. 7	**5.** 6	**6.** -30
7. 2	**8.** 6	**9.** 3
10. 6	**11.** -6	**12.** 9