Partitioning a Directed Line Segment · 1

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.



Partitioning a Directed Line Segment · 2

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.



Partitioning a Directed Line Segment · 3

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.



Partitioning a Directed Line Segment · 4

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.



Partitioning a Directed Line Segment · 5

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.



Partitioning a Directed Line Segment · 6

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.



Partitioning a Directed Line Segment · 7

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.



Partitioning a Directed Line Segment · 8

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.



Partitioning a Directed Line Segment · 2

ANSWER

16

Partitioning a Directed Line Segment · 1

ANSWER

4

Partitioning a Directed Line Segment · 4

ANSWER

7

Partitioning a Directed Line Segment · 3

ANSWER

18

Partitioning a Directed Line Segment · 6

ANSWER

-30

Partitioning a Directed Line Segment · 5

ANSWER

6

Partitioning a Directed Line Segment · 8

ANSWER

6

Partitioning a Directed Line Segment · 7

ANSWER

2

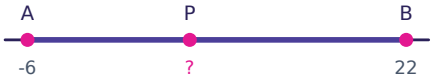
Partitioning a Directed Line Segment · 9

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.



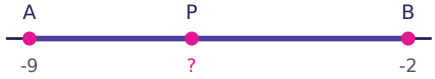
Partitioning a Directed Line Segment · 10

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.



Partitioning a Directed Line Segment · 11

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.



Partitioning a Directed Line Segment · 12

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 · 10

ANSWER

6

Partitioning a Directed Line Segment · 9

ANSWER

3

Partitioning a Directed Line Segment · 12

ANSWER

9

Partitioning a Directed Line Segment · 11

ANSWER

-6