Partitioning a Directed Line Segment · 1

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.



Partitioning a Directed Line Segment · 2

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.



Partitioning a Directed Line Segment · 3

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.



Partitioning a Directed Line Segment · 4

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.



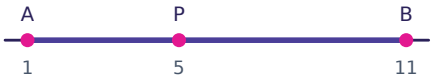
Partitioning a Directed Line Segment · 5

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.



Partitioning a Directed Line Segment · 6

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.



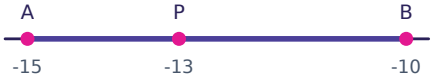
Partitioning a Directed Line Segment · 7

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.



Partitioning a Directed Line Segment · 8

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.



Partitioning a Directed Line Segment · 2

ANSWER

4:1

Partitioning a Directed Line Segment · 1

ANSWER

-12

Partitioning a Directed Line Segment · 4

ANSWER

1:3

Partitioning a Directed Line Segment · 3

ANSWER

-15

Partitioning a Directed Line Segment · 6

ANSWER

2:3

Partitioning a Directed Line Segment · 5

ANSWER

2

Partitioning a Directed Line Segment · 8

ANSWER

2:3

Partitioning a Directed Line Segment · 7

ANSWER

12

Partitioning a Directed Line Segment · 9

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.



Partitioning a Directed Line Segment · 10

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.



Partitioning a Directed Line Segment · 11

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.



Partitioning a Directed Line Segment · 12

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.



Partitioning a Directed Line Segment · 13

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.



Partitioning a Directed Line Segment · 14

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.



Partitioning a Directed Line Segment · 15

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.



Partitioning a Directed Line Segment · 16

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.



Partitioning a Directed Line Segment · 10

ANSWER

5

Partitioning a Directed Line Segment · 9

ANSWER

6

Partitioning a Directed Line Segment · 12

ANSWER

-10

Partitioning a Directed Line Segment · 11

ANSWER

2:1

Partitioning a Directed Line Segment · 14

ANSWER

5

Partitioning a Directed Line Segment · 13

ANSWER

1:4

Partitioning a Directed Line Segment · 16

ANSWER

20

Partitioning a Directed Line Segment · 15

ANSWER

2:1

Partitioning a Directed Line Segment · 17

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.



Partitioning a Directed Line Segment · 18

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.



Partitioning a Directed Line Segment · 19

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.



Partitioning a Directed Line Segment · 20

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.



Partitioning a Directed Line Segment · 21

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.



Partitioning a Directed Line Segment · 22

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.



Partitioning a Directed Line Segment · 23

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.



Partitioning a Directed Line Segment · 24

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 · 18

ANSWER

-15

Partitioning a Directed Line Segment · 17

ANSWER

1:2

Partitioning a Directed Line Segment · 20

ANSWER

3:1

Partitioning a Directed Line Segment · 19

ANSWER

-18

Partitioning a Directed Line Segment · 22

ANSWER

1:2

Partitioning a Directed Line Segment · 21

ANSWER

3

Partitioning a Directed Line Segment · 24

ANSWER

1:4

Partitioning a Directed Line Segment · 23

ANSWER

-3