Partitioning a Directed Line Segment · 1

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

Partitioning a Directed Line Segment · 2

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.



Partitioning a Directed Line Segment · 3

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.



Partitioning a Directed Line Segment · 4

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.



Partitioning a Directed Line Segment · 5

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

Partitioning a Directed Line Segment · 6

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 · 7

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.



Partitioning a Directed Line Segment · 8

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.



Partitioning a Directed Line Segment · 2

ANSWER

13

Partitioning a Directed Line Segment · 1

ANSWER

$$\frac{2}{3}$$

Partitioning a Directed Line Segment · 4

ANSWER

8

Partitioning a Directed Line Segment · 3

ANSWER

13

Partitioning a Directed Line Segment · 6

ANSWER

3

Partitioning a Directed Line Segment · 5

ANSWER

$$\frac{1}{3}$$

Partitioning a Directed Line Segment · 8

ANSWER

7

Partitioning a Directed Line Segment · 7

ANSWER

10

Partitioning a Directed Line Segment · 9

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.



Partitioning a Directed Line Segment · 10

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

Partitioning a Directed Line Segment · 11

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.



Partitioning a Directed Line Segment · 12

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.



Partitioning a Directed Line Segment · 13

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.



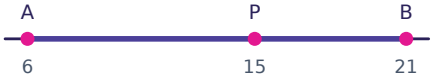
Partitioning a Directed Line Segment · 14

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.



Partitioning a Directed Line Segment · 15

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.



Partitioning a Directed Line Segment · 16

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.



Partitioning a Directed Line Segment · 10

ANSWER

$$\frac{3}{4}$$

Partitioning a Directed Line Segment · 9

ANSWER

3

Partitioning a Directed Line Segment · 12

ANSWER

-8

Partitioning a Directed Line Segment · 11

ANSWER

2

Partitioning a Directed Line Segment · 14

ANSWER

13

Partitioning a Directed Line Segment · 13

ANSWER

2:3

Partitioning a Directed Line Segment · 16

ANSWER

14

Partitioning a Directed Line Segment · 15

ANSWER

3:2

Partitioning a Directed Line Segment · 17

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.



Partitioning a Directed Line Segment · 18

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.



Partitioning a Directed Line Segment · 19

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.



Partitioning a Directed Line Segment · 20

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.



Partitioning a Directed Line Segment · 21

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.



Partitioning a Directed Line Segment · 22

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.



Partitioning a Directed Line Segment · 23

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.



Partitioning a Directed Line Segment · 24

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 · 18

ANSWER

14

Partitioning a Directed Line Segment · 17

ANSWER

11

Partitioning a Directed Line Segment · 20

ANSWER

12

Partitioning a Directed Line Segment · 19

ANSWER

7

Partitioning a Directed Line Segment · 22

ANSWER

6

Partitioning a Directed Line Segment · 21

ANSWER

3

Partitioning a Directed Line Segment · 24

ANSWER

3:1

Partitioning a Directed Line Segment · 23

ANSWER

15