

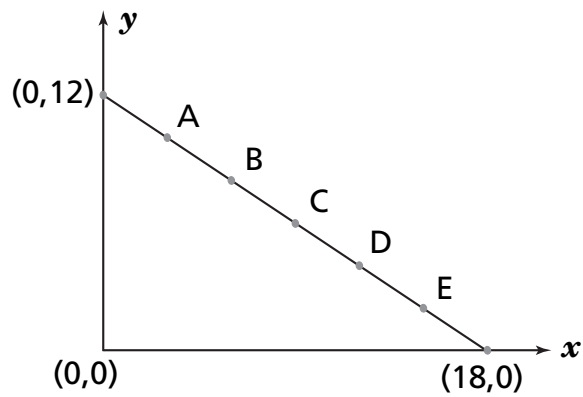
الرياضيات

الأسئلة المعلنه للعام الدراسي 2010

5

1

Seven points are marked with dots. They are equally spaced.



Which point has the coordinates (9, 6)?

- A
- B
- C
- D

Key: 3

Strand: Geometry and measures

Standard: 10.11 Use coordinates in the first quadrant to represent points; understand that th...

DOK: 02 Application

2

Approximately 70% of the mass in a human's body is water.

How many kilograms of water are in an 80-kilogram man?

- 56
- 70
- 80
- 114

Key: 1

Strand: Number and algebra

Standard: 07.3 Calculate a given percentage of a whole, e.g. 25% of 30 kg.

DOK: 02 Application

3

Convert the following number to a decimal.

$$3\frac{7}{10}$$

- 0.37
- 3.7
- 37
- 3.07

Key: 2

Strand: Number and algebra

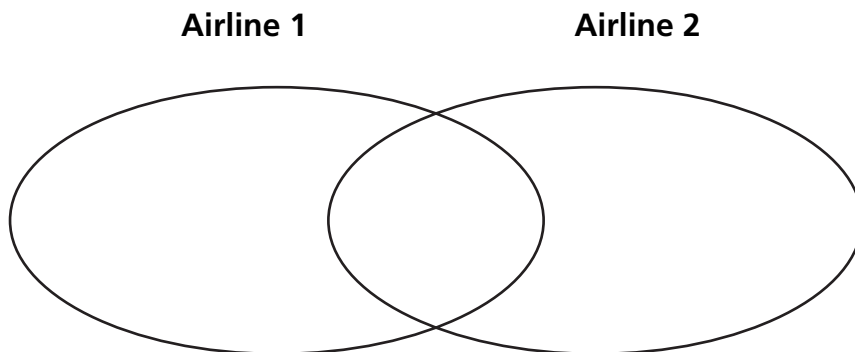
Standard: 05.2 Convert fractions expressed as tenths, hundredths or thousandths to decimals,...

DOK: 01 Understanding

The table below shows some of the destination cities for Airline 1 and Airline 2.

Destination Cities		
	Airline 1	Airline 2
Cities	Beirut	Cape Town
	Istanbul	Manchester
	Manchester	Singapore
	Singapore	Sydney

Use the information in the table to complete the Venn diagram below.



Answer:

Airline 1 **Airline 2**

5-6 correct answers	2 pts
4 correct answers	1 pt
Response is incomplete or irrelevant	0 pts
No response	Blank

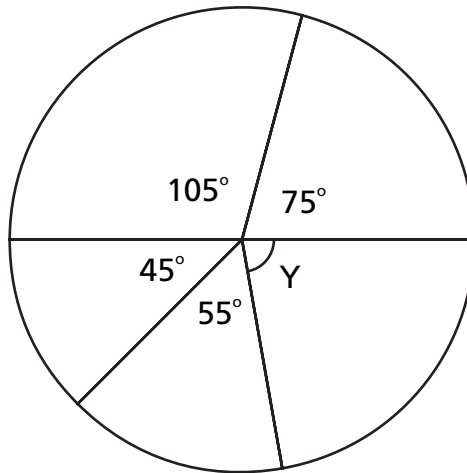
Points: 2

Strand: Data handling

Standard: 13.5 Represent and interpret data in Venn diagrams.

DOK: 02 Application

Look at this diagram.



What is the measure of angle Y ?

Answer: _____

Explain your answer: _____

Answer:	
80°	
Explanation:	
A circle has 360 degrees in total, and $360^\circ - 105^\circ - 75^\circ - 45^\circ - 55^\circ = 80^\circ$	
Correct answer AND correct explanation	2 pts
Explanation may have minor errors OR correct answer only	1 pt
Response is incomplete or irrelevant	0 pts
No response	Blank

Points: 2

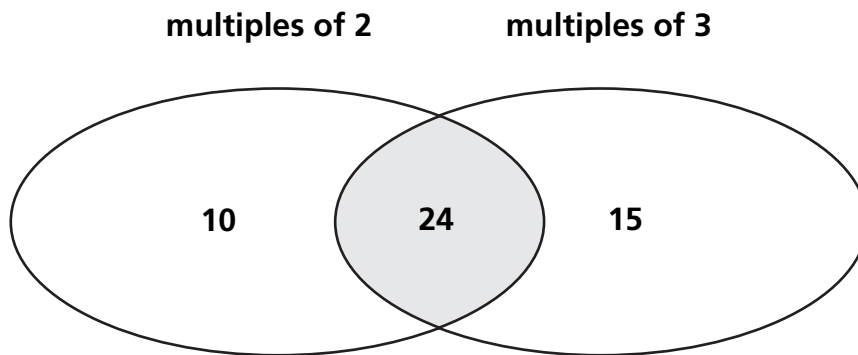
Strand: Geometry and measures

Standard: 10.5 Find unknown angles in a straight line or around a point.

DOK: 02 Application

Write these numbers in the correct places on the Venn diagram.

9 12 14 18



Answer:	
<p>multiples of 2 multiples of 3</p>	
Three or four numbers placed correctly	2 pts
Two numbers placed correctly	1 pt
Response is incomplete or irrelevant	0 pts
No response	Blank

Points: 2

Strand: Data handling

Standard: 13.5 Represent and interpret data in Venn diagrams.

DOK: 02 Application