

GCSE MATHS • GRADE 2

MATHS



MODEL ANSWERS

FREQUENCY POLYGONS

SCORE

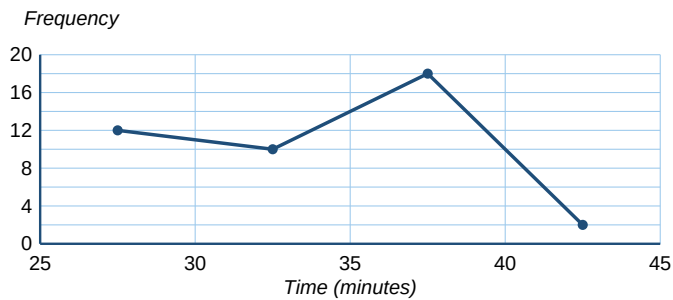
/185

PERCENTAGE

%

STEM UP

- 1 The frequency polygon shows the time taken, in minutes, by people to run 5 km.
How many are in the class $25 < t \leq 30$?



Read the height of the point at the midpoint 27.5

12

1 / 1

- 2 The table shows the time taken, in minutes, by people to travel to an event.
Write down the modal class.

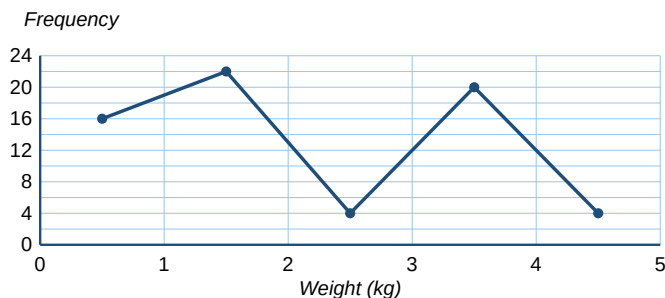
Time (minutes)	Frequency
$0 < t \leq 10$	6
$10 < t \leq 20$	12
$20 < t \leq 30$	18
$30 < t \leq 40$	6

The highest frequency is 18

 $20 < t \leq 30$

1 / 1

- 3 The frequency polygon shows the weight, in kg, of some cats.
How many are in the class $2 < w \leq 3$?

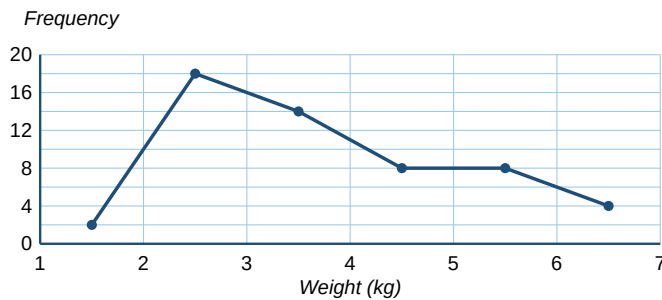


Read the height of the point at the midpoint 2.5

4

1 / 1

- 4 The frequency polygon shows the weight, in kg, of some cats.
How many are in the class $4 < w \leq 5$?



Read the height of the point at the midpoint 4.5

8

1 / 1

- 5 The table shows the time taken, in minutes, by people to travel to an event.
Write down the modal class.

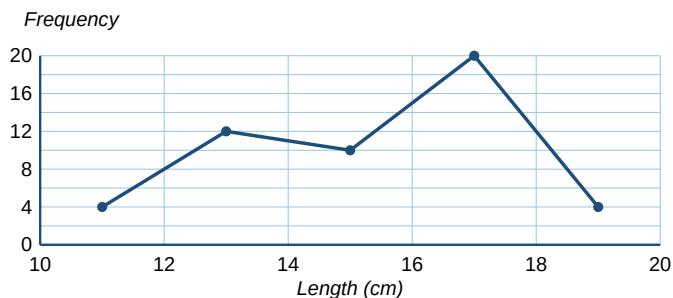
Time (minutes)	Frequency
$0 < t \leq 10$	8
$10 < t \leq 20$	10
$20 < t \leq 30$	22
$30 < t \leq 40$	6
$40 < t \leq 50$	10
$50 < t \leq 60$	12

The highest frequency is 22

$20 < t \leq 30$

1 / 1

- 6 The frequency polygon shows the lengths, in cm, of some pencils.
How many are in the class $16 < l \leq 18$?

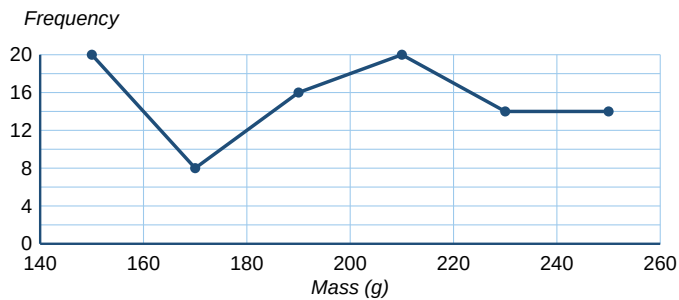


Read the height of the point at the midpoint 17

20

1 / 1

- 7 The frequency polygon shows the masses, in grams, of some apples.
How many are in the class $140 < m \leq 160$?



Read the height of the point at the midpoint 150

20

1 / 1

- 8 The table shows the masses, in grams, of some apples.
Write down the modal class.

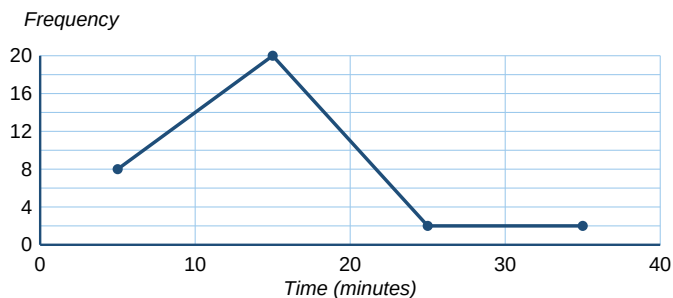
Mass (g)	Frequency
$140 < m \leq 160$	22
$160 < m \leq 180$	6
$180 < m \leq 200$	18
$200 < m \leq 220$	16

The highest frequency is 22

$140 < m \leq 160$

1 / 1

- 9 The frequency polygon shows the time taken, in minutes, by people to travel to an event.
How many are in the class $20 < t \leq 30$?

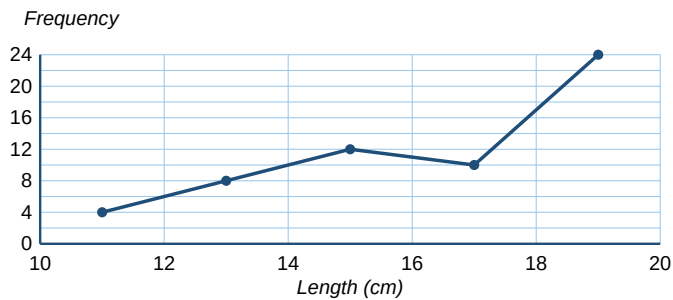


Read the height of the point at the midpoint 25

2

1 / 1

- 10** The frequency polygon shows the lengths, in cm, of some pencils.
How many are in the class $16 < l \leq 18$?



Read the height of the point at the midpoint 17

10

1 / 1

- 11** The table shows the heights, in cm, of some plants.
Write down the modal class.

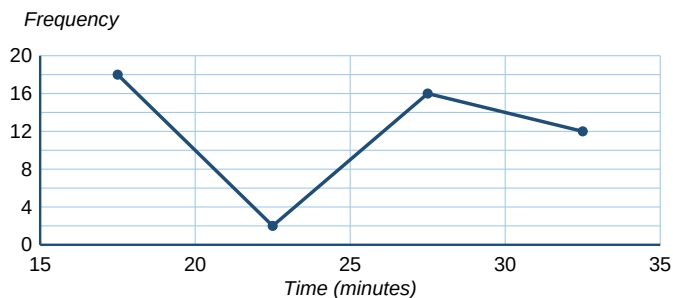
Height (cm)	Frequency
$40 < h \leq 50$	4
$50 < h \leq 60$	2
$60 < h \leq 70$	2
$70 < h \leq 80$	14

The highest frequency is 14

$70 < h \leq 80$

1 / 1

- 12** The frequency polygon shows the journey times, in minutes, of some buses.
How many are in the class $30 < t \leq 35$?

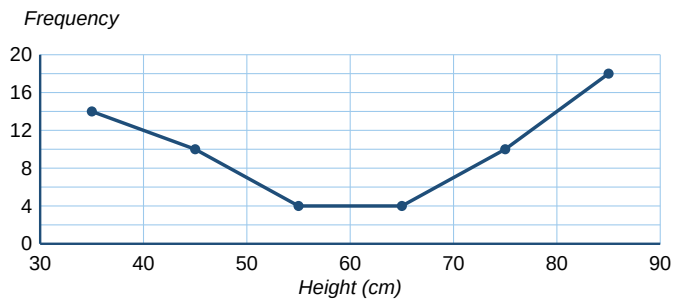


Read the height of the point at the midpoint 32.5

12

1 / 1

- 13 The frequency polygon shows the heights, in cm, of some plants.
How many are in the class $70 < h \leq 80$?



Read the height of the point at the midpoint 75

10

1 / 1

- 14 The table shows the lengths, in cm, of some pencils.
How many were recorded altogether?

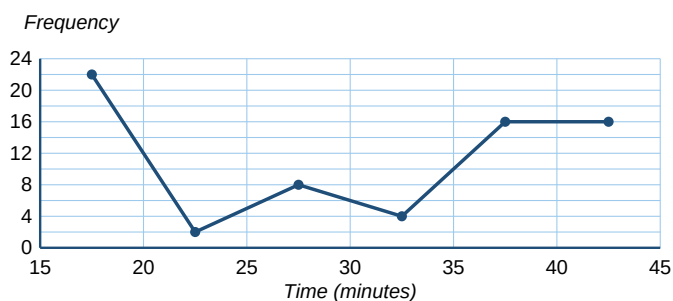
Length (cm)	Frequency
$8 < l \leq 10$	12
$10 < l \leq 12$	4
$12 < l \leq 14$	14
$14 < l \leq 16$	12
$16 < l \leq 18$	22

$$12 + 4 + 14 + 12 + 22 = 64$$

64

1 / 1

- 15 The frequency polygon shows the journey times, in minutes, of some buses.
How many are in the class $35 < t \leq 40$?

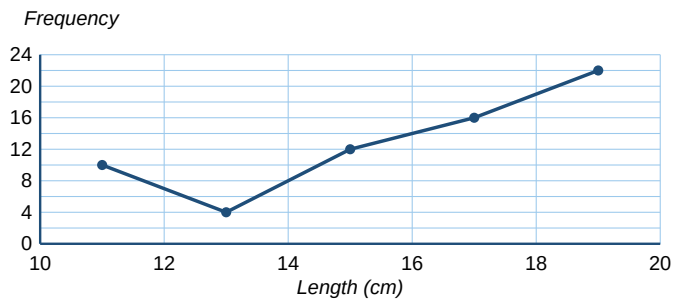


Read the height of the point at the midpoint 37.5

16

1 / 1

- 16 The frequency polygon shows the lengths, in cm, of some pencils.
How many are in the class $14 < l \leq 16$?



Read the height of the point at the midpoint 15

12

1 / 1

- 17 The table shows the lengths, in cm, of some pencils.
How many were recorded altogether?

Length (cm)	Frequency
$10 < l \leq 12$	8
$12 < l \leq 14$	4
$14 < l \leq 16$	14
$16 < l \leq 18$	2

$$8 + 4 + 14 + 2 = 28$$

28

1 / 1

- 18 The table shows the time taken, in minutes, by people to travel to an event.
How many were recorded altogether?

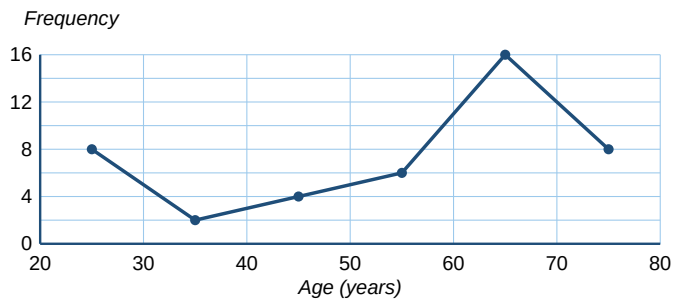
Time (minutes)	Frequency
$0 < t \leq 10$	16
$10 < t \leq 20$	6
$20 < t \leq 30$	12
$30 < t \leq 40$	2
$40 < t \leq 50$	8
$50 < t \leq 60$	14

$$16 + 6 + 12 + 2 + 8 + 14 = 58$$

58

1 / 1

- 19 The frequency polygon shows the ages, in years, of the people at a club.
Write down the modal class.



The modal class has the highest frequency (16)

$$60 < a \leq 70$$

1 / 1

- 20 The table shows the time taken, in minutes, by people to travel to an event.
How many were recorded altogether?

Time (minutes)	Frequency
$0 < t \leq 10$	22
$10 < t \leq 20$	18
$20 < t \leq 30$	10
$30 < t \leq 40$	14

$$22 + 18 + 10 + 14 = 64$$

$$64$$

1 / 1

- 21 The table shows the ages, in years, of the people at a club.
How many were recorded altogether?

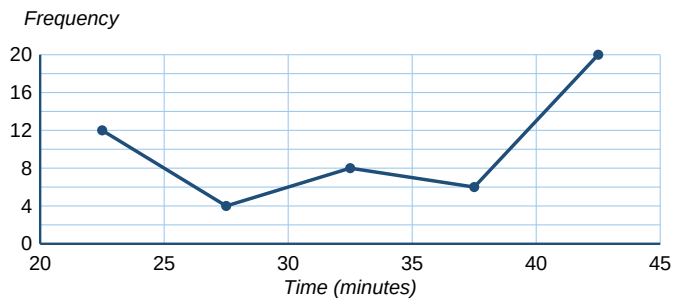
Age (years)	Frequency
$10 < a \leq 20$	2
$20 < a \leq 30$	4
$30 < a \leq 40$	16
$40 < a \leq 50$	2

$$2 + 4 + 16 + 2 = 24$$

$$24$$

1 / 1

- 22 The frequency polygon shows the time taken, in minutes, by people to run 5 km.
Write down the modal class.



The modal class has the highest frequency (20)

40 < t ≤ 45

1 / 1

- 23 The table shows the time taken, in minutes, by people to run 5 km.
How many were recorded altogether?

Time (minutes)	Frequency
25 < t ≤ 30	2
30 < t ≤ 35	8
35 < t ≤ 40	10
40 < t ≤ 45	12
45 < t ≤ 50	6

$$2 + 8 + 10 + 12 + 6 = 38$$

38

1 / 1

- 24 The table shows the heights, in cm, of some plants.
How many were recorded altogether?

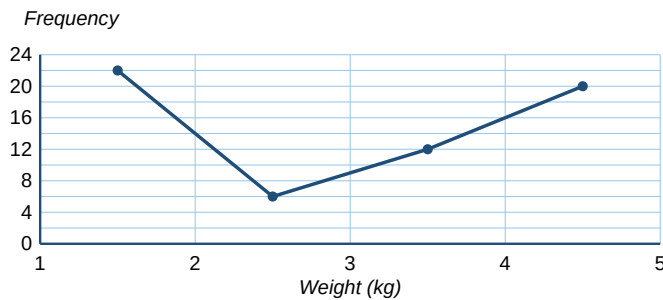
Height (cm)	Frequency
30 < h ≤ 40	8
40 < h ≤ 50	6
50 < h ≤ 60	14
60 < h ≤ 70	18
70 < h ≤ 80	22

$$8 + 6 + 14 + 18 + 22 = 68$$

68

1 / 1

- 25 The frequency polygon shows the weight, in kg, of some cats.
Write down the modal class.



The modal class has the highest frequency (22)

$$1 < w \leq 2$$

/ 1

- 26 The table shows the ages, in years, of the people at a club.
Write down the midpoint of the class $50 < a \leq 60$.

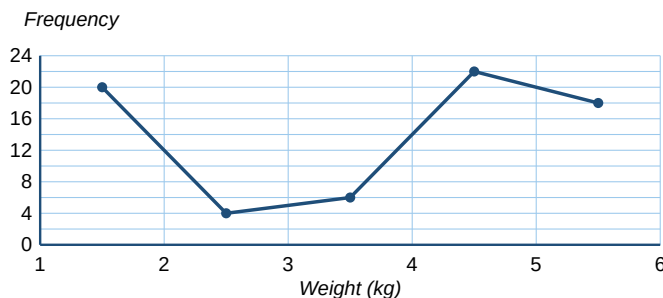
Age (years)	Frequency
$10 < a \leq 20$	2
$20 < a \leq 30$	16
$30 < a \leq 40$	22
$40 < a \leq 50$	12
$50 < a \leq 60$	14
$60 < a \leq 70$	16

$$(50 + 60) \div 2 = 55$$

55

/ 1

- 27 The frequency polygon shows the weight, in kg, of some cats.
Write down the modal class.



The modal class has the highest frequency (22)

$$4 < w \leq 5$$

/ 1

- 28 The table shows the journey times, in minutes, of some buses.
How many have t greater than 25?

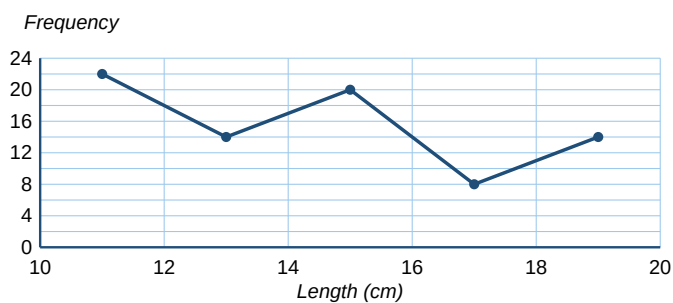
Time (minutes)	Frequency
$20 < t \leq 25$	20
$25 < t \leq 30$	12
$30 < t \leq 35$	24
$35 < t \leq 40$	14
$40 < t \leq 45$	16
$45 < t \leq 50$	16

$$12 + 24 + 14 + 16 + 16 = 82$$

82

1 / 1

- 29 The frequency polygon shows the lengths, in cm, of some pencils.
Work out the total frequency.



$$22 + 14 + 20 + 8 + 14 = 78$$

78

1 / 1

- 30 The table shows the time taken, in minutes, by people to run 5 km.
How many have t greater than 25?

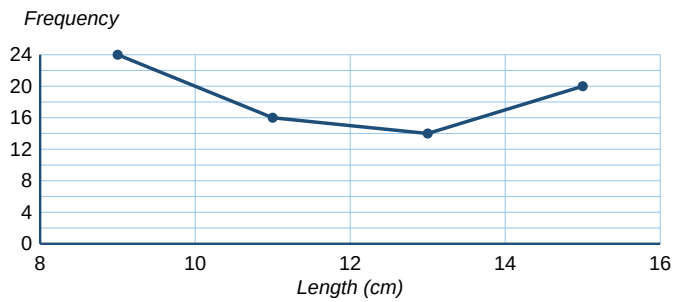
Time (minutes)	Frequency
$15 < t \leq 20$	2
$20 < t \leq 25$	22
$25 < t \leq 30$	20
$30 < t \leq 35$	6

$$20 + 6 = 26$$

26

1 / 1

- 31 The frequency polygon shows the lengths, in cm, of some pencils.
Work out the total frequency.

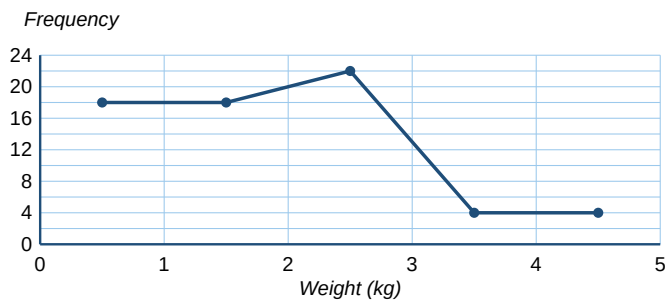


$$24 + 16 + 14 + 20 = 74$$

74

1 / 1

- 32 The frequency polygon shows the weight, in kg, of some cats.
Work out the total frequency.

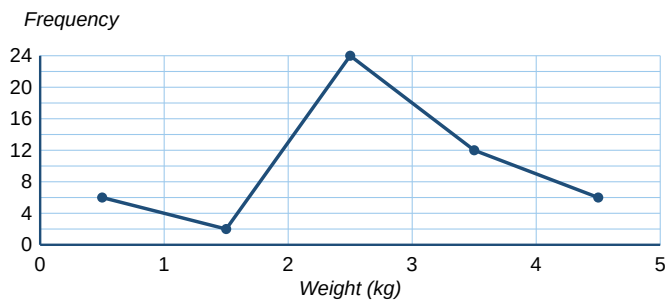


$$18 + 18 + 22 + 4 + 4 = 66$$

66

1 / 1

- 33 The frequency polygon shows the weight, in kg, of some cats.
Work out the total frequency.

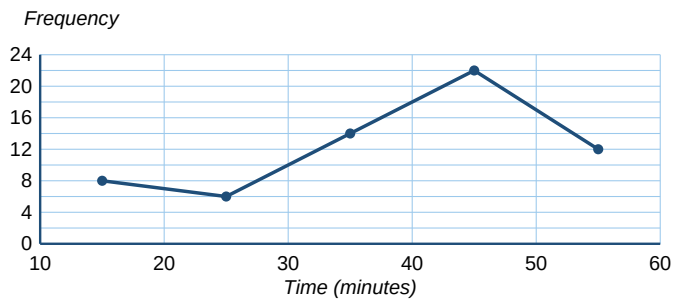


$$6 + 2 + 24 + 12 + 6 = 50$$

50

1 / 1

- 34 The frequency polygon shows the time taken, in minutes, by people to travel to an event. Work out the total frequency.

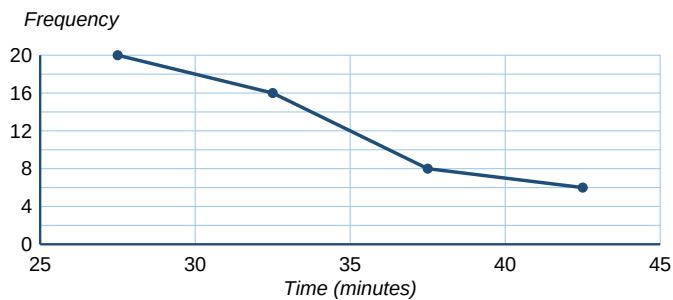


$$8 + 6 + 14 + 22 + 12 = 62$$

62

1 / 1

- 35 The frequency polygon shows the time taken, in minutes, by people to run 5 km. Work out the total frequency.



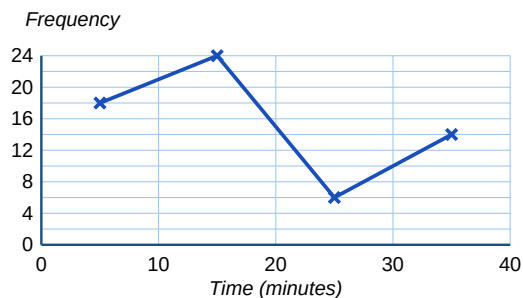
$$20 + 16 + 8 + 6 = 50$$

50

1 / 1

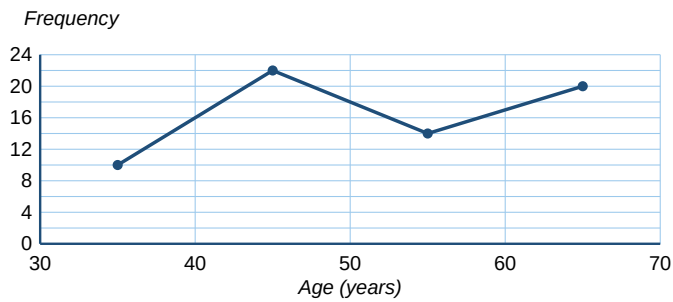
- 36 The table shows the time taken, in minutes, by people to travel to an event. Draw a frequency polygon for this information.

Time (minutes)	Frequency
$0 < t \leq 10$	18
$10 < t \leq 20$	24
$20 < t \leq 30$	6
$30 < t \leq 40$	14



1 / 1

- 37 The frequency polygon shows the ages, in years, of the people at a club.
Work out the total frequency.

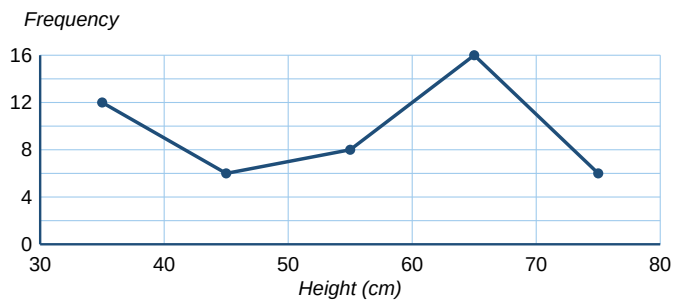


$$10 + 22 + 14 + 20 = 66$$

66

1 / 1

- 38 The frequency polygon shows the heights, in cm, of some plants.
Work out the total frequency.



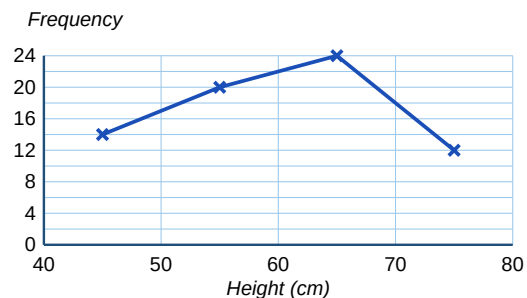
$$12 + 6 + 8 + 16 + 6 = 48$$

48

1 / 1

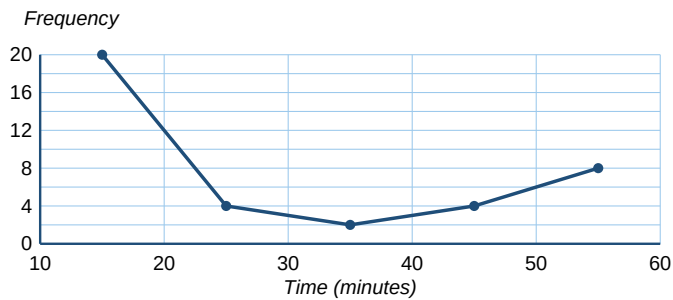
- 39 The table shows the heights, in cm, of some plants.
Draw a frequency polygon for this information.

Height (cm)	Frequency
$40 < h \leq 50$	14
$50 < h \leq 60$	20
$60 < h \leq 70$	24
$70 < h \leq 80$	12



1 / 1

- 40 The frequency polygon shows the time taken, in minutes, by people to travel to an event. Work out the total frequency.

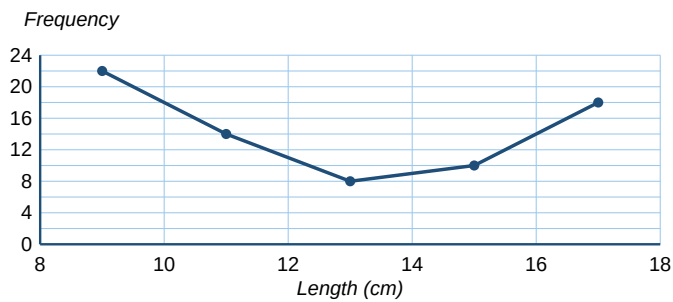


$$20 + 4 + 2 + 4 + 8 = 38$$

38

1 / 1

- 41 The frequency polygon shows the lengths, in cm, of some pencils. How many more are in the class $14 < l \leq 16$ than in the class $12 < l \leq 14$?



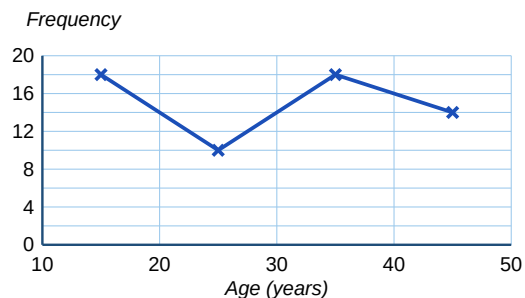
$$10 - 8 = 2$$

2

2 / 2

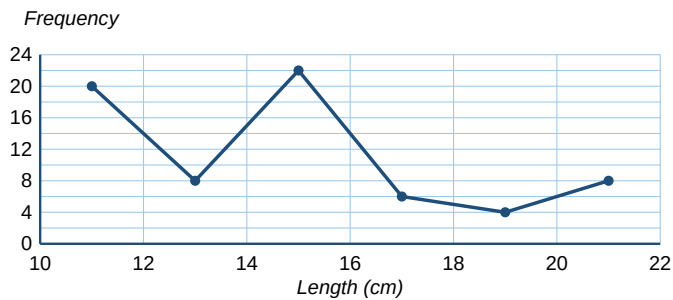
- 42 The table shows the ages, in years, of the people at a club. Draw a frequency polygon for this information.

Age (years)	Frequency
$10 < a \leq 20$	18
$20 < a \leq 30$	10
$30 < a \leq 40$	18
$40 < a \leq 50$	14



2 / 2

- 43 The frequency polygon shows the lengths, in cm, of some pencils.
How many are there with l less than or equal to 12?

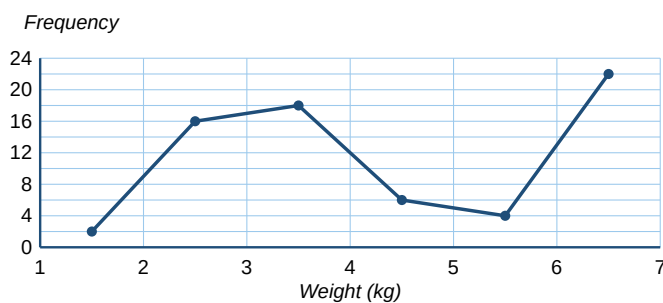


$$20 = 20$$

20

2 / 2

- 44 The frequency polygon shows the weight, in kg, of some cats.
How many are there with w less than or equal to 5?



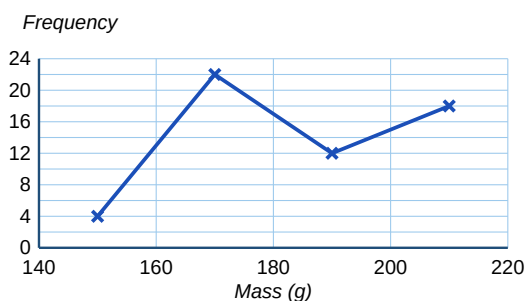
$$2 + 16 + 18 + 6 = 42$$

42

2 / 2

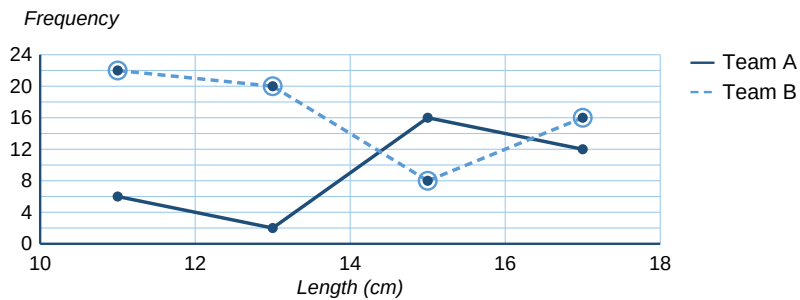
- 45 The table shows the masses, in grams, of some apples.
Draw a frequency polygon for this information.

Mass (g)	Frequency
$140 < m \leq 160$	4
$160 < m \leq 180$	22
$180 < m \leq 200$	12
$200 < m \leq 220$	18



2 / 2

- 46 The frequency polygons show the lengths, in cm, of some pencils. Write down the modal class for each group.

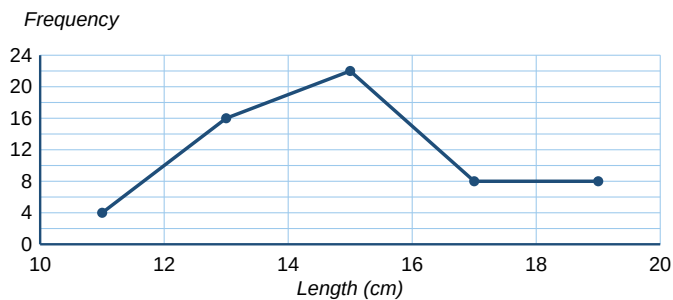


The modal class is where the polygon is highest

Team A: $14 < l \leq 16$; Team B: $10 < l \leq 12$

2 / 2

- 47 The frequency polygon shows the lengths, in cm, of some pencils. How many are there with l less than or equal to 14?



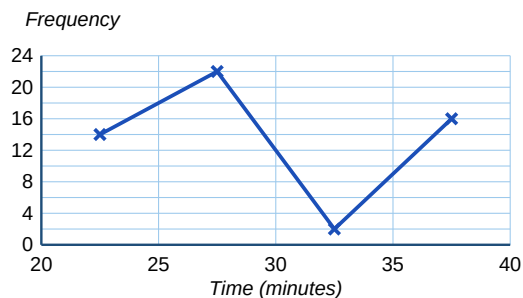
$$4 + 16 = 20$$

20

2 / 2

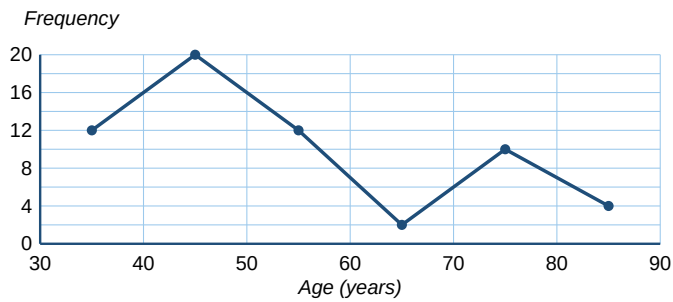
- 48 The table shows the time taken, in minutes, by people to run 5 km. Draw a frequency polygon for this information.

Time (minutes)	Frequency
$20 < t \leq 25$	14
$25 < t \leq 30$	22
$30 < t \leq 35$	2
$35 < t \leq 40$	16



2 / 2

- 49 The frequency polygon shows the ages, in years, of the people at a club.
How many are there with a less than or equal to 50?

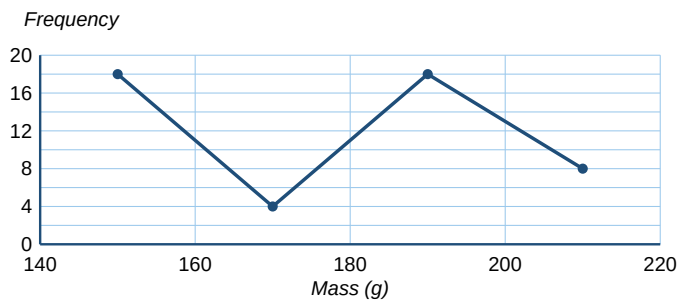


$$12 + 20 = 32$$

32

2 / 2

- 50 The frequency polygon shows the masses, in grams, of some apples.
How many are there with m less than or equal to 160?



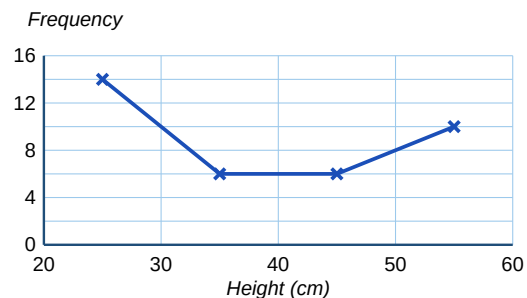
$$18 = 18$$

18

2 / 2

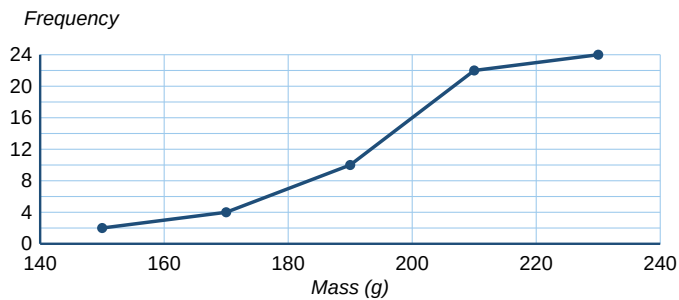
- 51 The table shows the heights, in cm, of some plants.
Draw a frequency polygon for this information.

Height (cm)	Frequency
$20 < h \leq 30$	14
$30 < h \leq 40$	6
$40 < h \leq 50$	6
$50 < h \leq 60$	10



2 / 2

- 52 The frequency polygon shows the masses, in grams, of some apples. How many are there with m less than or equal to 200?

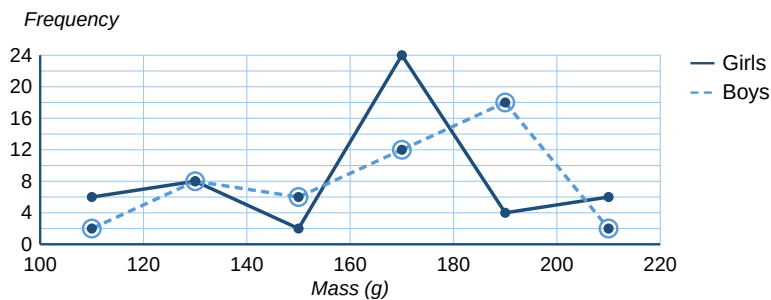


$$2 + 4 + 10 = 16$$

16

2 / 2

- 53 The frequency polygons show the masses, in grams, of some apples. Write down the modal class for each group.



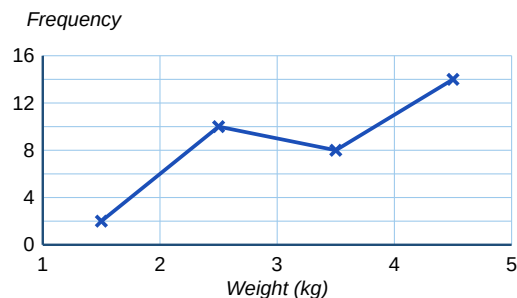
The modal class is where the polygon is highest

Girls: $160 < m \leq 180$; Boys: $180 < m \leq 200$

2 / 2

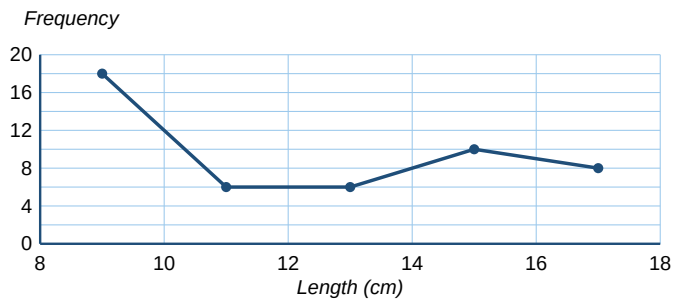
- 54 The table shows the weight, in kg, of some cats. Draw a frequency polygon for this information.

Weight (kg)	Frequency
$1 < w \leq 2$	2
$2 < w \leq 3$	10
$3 < w \leq 4$	8
$4 < w \leq 5$	14



2 / 2

- 55 The frequency polygon shows the lengths, in cm, of some pencils.
How many are there with length less than or equal to 16?

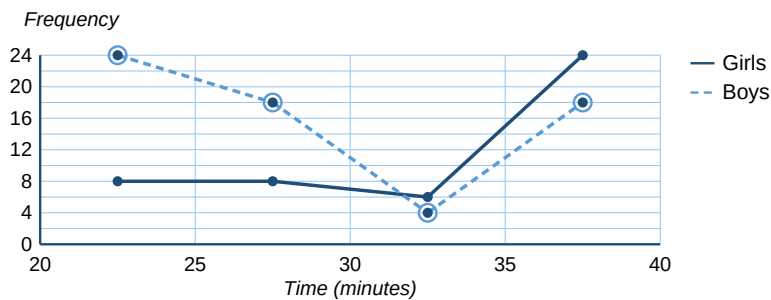


$$18 + 6 + 6 + 10 = 40$$

40

2 / 2

- 56 The frequency polygons show the time taken, in minutes, by people to run 5 km.
Write down the modal class for each group.



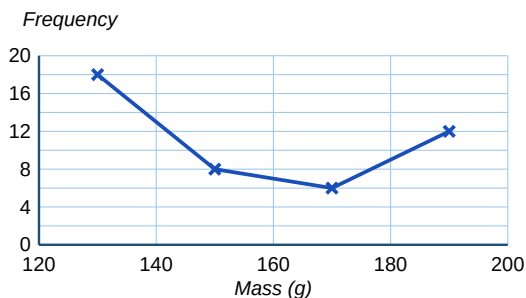
The modal class is where the polygon is highest

Girls: 35 < t ≤ 40; Boys: 20 < t ≤ 25

2 / 2

- 57 The table shows the masses, in grams, of some apples.
Draw a frequency polygon for this information.

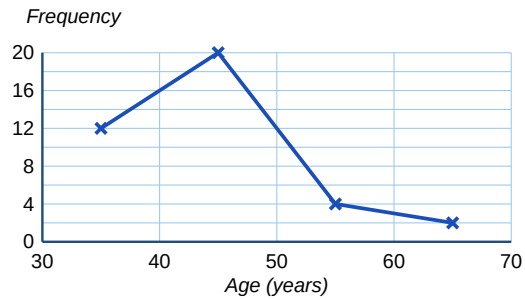
Mass (g)	Frequency
$120 < m \leq 140$	18
$140 < m \leq 160$	8
$160 < m \leq 180$	6
$180 < m \leq 200$	12



2 / 2

- 58 The table shows the ages, in years, of the people at a club.
Draw a frequency polygon for this information.

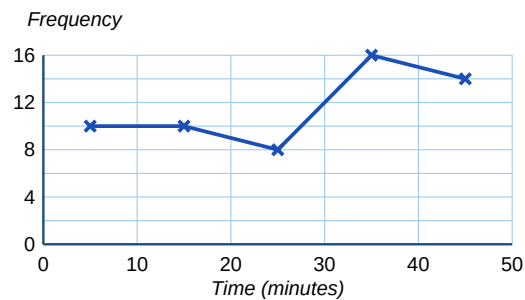
Age (years)	Frequency
$30 < a \leq 40$	12
$40 < a \leq 50$	20
$50 < a \leq 60$	4
$60 < a \leq 70$	2



2 / 2

- 59 The table shows the time taken, in minutes, by people to travel to an event.
Draw a frequency polygon for this information.

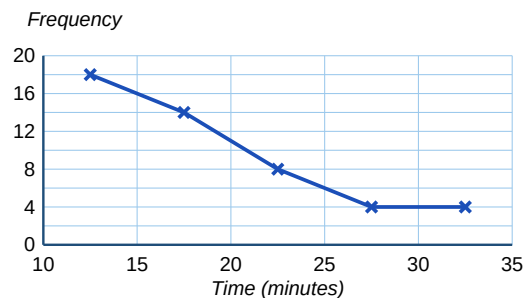
Time (minutes)	Frequency
$0 < t \leq 10$	10
$10 < t \leq 20$	10
$20 < t \leq 30$	8
$30 < t \leq 40$	16
$40 < t \leq 50$	14



2 / 2

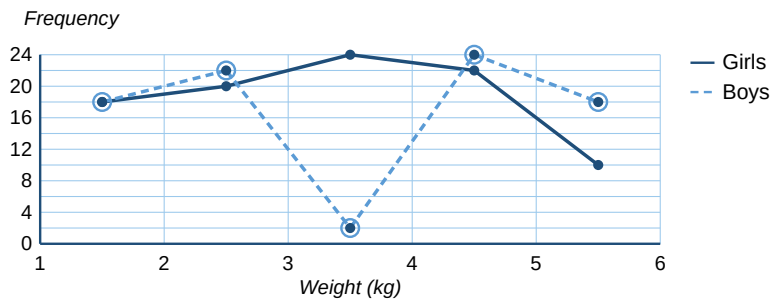
- 60 The table shows the journey times, in minutes, of some buses.
Draw a frequency polygon for this information.

Time (minutes)	Frequency
$10 < t \leq 15$	18
$15 < t \leq 20$	14
$20 < t \leq 25$	8
$25 < t \leq 30$	4
$30 < t \leq 35$	4



2 / 2

- 61 The frequency polygons show the weight, in kg, of some cats.
Write down the modal class for each group.



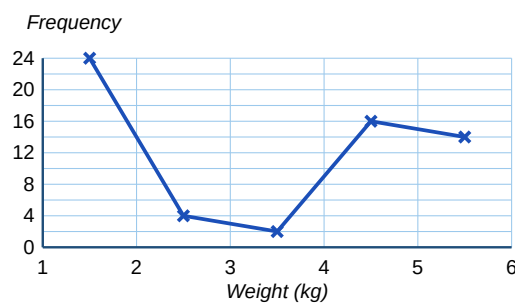
The modal class is where the polygon is highest

Girls: $3 < w \leq 4$; Boys: $4 < w \leq 5$

2 / 2

- 62 The table shows the weight, in kg, of some cats.
Draw a frequency polygon for this information.

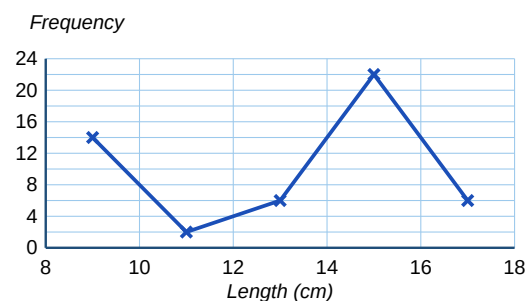
Weight (kg)	Frequency
$1 < w \leq 2$	24
$2 < w \leq 3$	4
$3 < w \leq 4$	2
$4 < w \leq 5$	16
$5 < w \leq 6$	14



2 / 2

- 63 The table shows the lengths, in cm, of some pencils.
Draw a frequency polygon for this information.

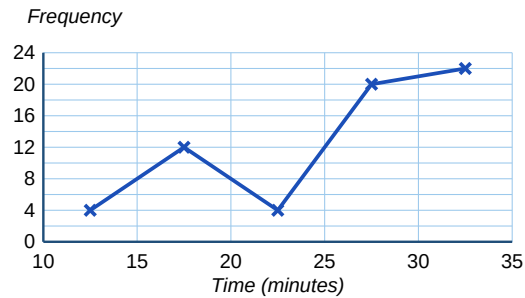
Length (cm)	Frequency
$8 < l \leq 10$	14
$10 < l \leq 12$	2
$12 < l \leq 14$	6
$14 < l \leq 16$	22
$16 < l \leq 18$	6



2 / 2

- 64 The table shows the journey times, in minutes, of some buses.
Draw a frequency polygon for this information.

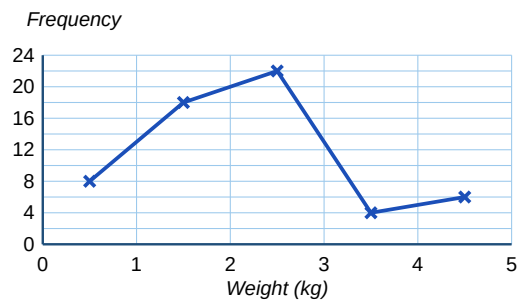
Time (minutes)	Frequency
$10 < t \leq 15$	4
$15 < t \leq 20$	12
$20 < t \leq 25$	4
$25 < t \leq 30$	20
$30 < t \leq 35$	22



2 / 2

- 65 The table shows the weight, in kg, of some cats.
Draw a frequency polygon for this information.

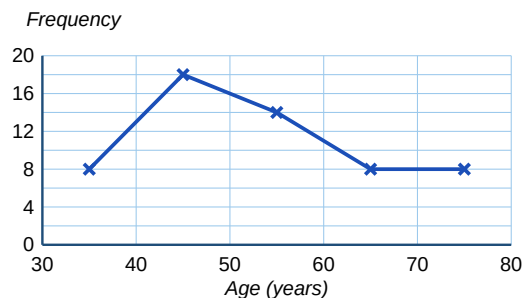
Weight (kg)	Frequency
$0 < w \leq 1$	8
$1 < w \leq 2$	18
$2 < w \leq 3$	22
$3 < w \leq 4$	4
$4 < w \leq 5$	6



2 / 2

- 66 The table shows the ages, in years, of the people at a club.
Draw a frequency polygon for this information.

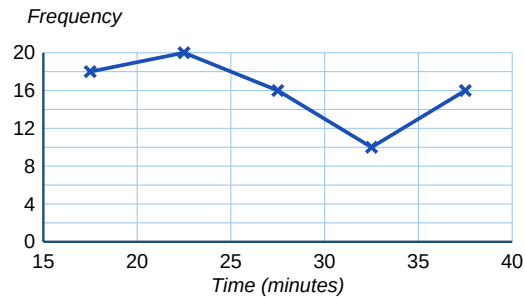
Age (years)	Frequency
$30 < a \leq 40$	8
$40 < a \leq 50$	18
$50 < a \leq 60$	14
$60 < a \leq 70$	8
$70 < a \leq 80$	8



2 / 2

- 67 The table shows the time taken, in minutes, by people to run 5 km.
Draw a frequency polygon for this information.

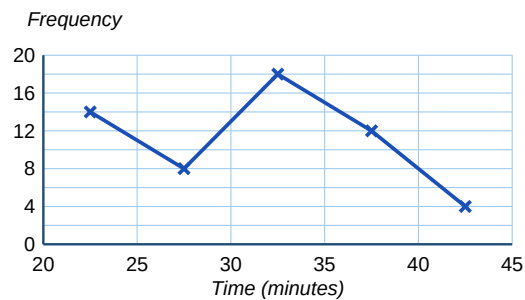
Time (minutes)	Frequency
$15 < t \leq 20$	18
$20 < t \leq 25$	20
$25 < t \leq 30$	16
$30 < t \leq 35$	10
$35 < t \leq 40$	16



2 / 2

- 68 The table shows the journey times, in minutes, of some buses.
Draw a frequency polygon for this information.

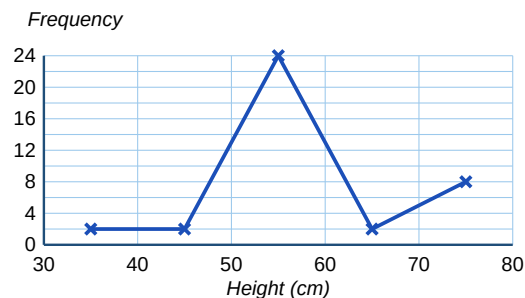
Time (minutes)	Frequency
$20 < t \leq 25$	14
$25 < t \leq 30$	8
$30 < t \leq 35$	18
$35 < t \leq 40$	12
$40 < t \leq 45$	4



2 / 2

- 69 The table shows the heights, in cm, of some plants.
Draw a frequency polygon for this information.

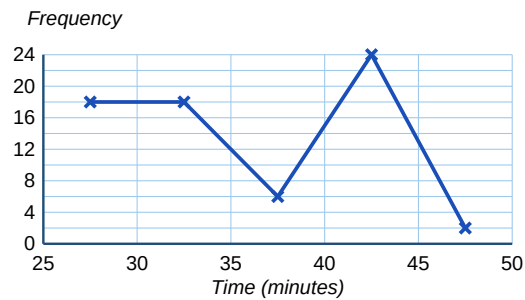
Height (cm)	Frequency
$30 < h \leq 40$	2
$40 < h \leq 50$	2
$50 < h \leq 60$	24
$60 < h \leq 70$	2
$70 < h \leq 80$	8



2 / 2

- 70 The table shows the time taken, in minutes, by people to run 5 km.
Draw a frequency polygon for this information.

Time (minutes)	Frequency
$25 < t \leq 30$	18
$30 < t \leq 35$	18
$35 < t \leq 40$	6
$40 < t \leq 45$	24
$45 < t \leq 50$	2



2 / 2

- 71 The table shows the journey times, in minutes, of some buses.
Write down the class that contains the median.

Time (minutes)	Frequency
$20 < t \leq 25$	10
$25 < t \leq 30$	2
$30 < t \leq 35$	18
$35 < t \leq 40$	10
$40 < t \leq 45$	8

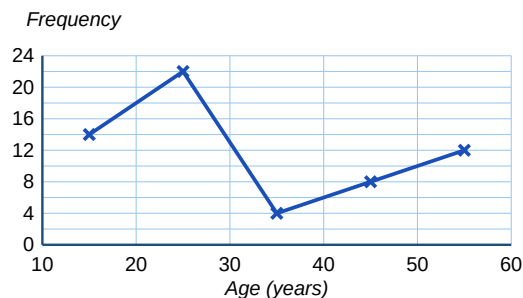
48 values, so the median is at position 24 and 25

$30 < t \leq 35$

2 / 2

- 72 The table shows the ages, in years, of the people at a club.
Draw a frequency polygon for this information.

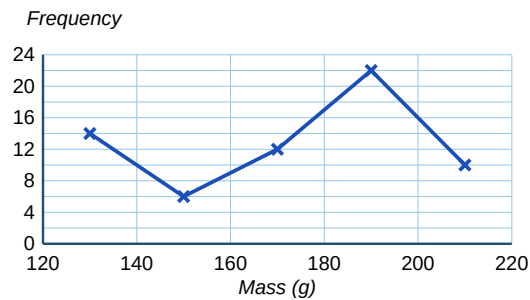
Age (years)	Frequency
$10 < a \leq 20$	14
$20 < a \leq 30$	22
$30 < a \leq 40$	4
$40 < a \leq 50$	8
$50 < a \leq 60$	12



2 / 2

- 73 The table shows the masses, in grams, of some apples.
Draw a frequency polygon for this information.

Mass (g)	Frequency
$120 < m \leq 140$	14
$140 < m \leq 160$	6
$160 < m \leq 180$	12
$180 < m \leq 200$	22
$200 < m \leq 220$	10



2 / 2

- 74 The table shows the lengths, in cm, of some pencils.
Write down the class that contains the median.

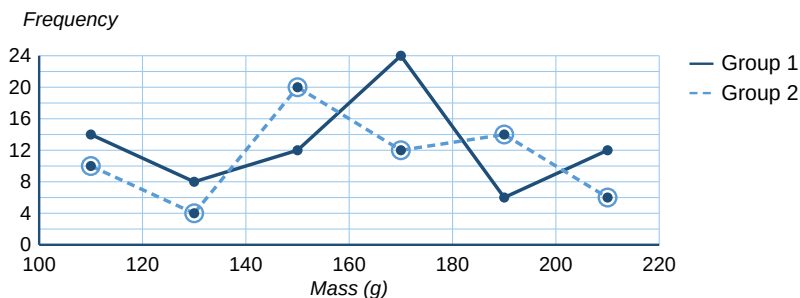
Length (cm)	Frequency
$6 < l \leq 8$	2
$8 < l \leq 10$	6
$10 < l \leq 12$	16
$12 < l \leq 14$	6

30 values, so the median is at position 15 and 16

$10 < l \leq 12$

2 / 2

- 75 The frequency polygons show the masses, in grams, of some apples.
How many more are in Group 2 than in Group 1 for the class $140 < m \leq 160$?



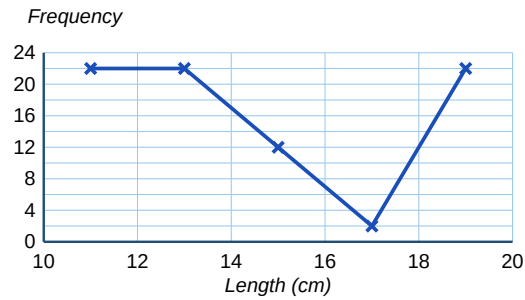
$$20 - 12 = 8$$

8

2 / 2

- 76 The table shows the lengths, in cm, of some pencils.
Draw a frequency polygon for this information.

Length (cm)	Frequency
$10 < l \leq 12$	22
$12 < l \leq 14$	22
$14 < l \leq 16$	12
$16 < l \leq 18$	2
$18 < l \leq 20$	22



3 / 3

- 77 The table shows the lengths, in cm, of some pencils.
Write down the class that contains the median.

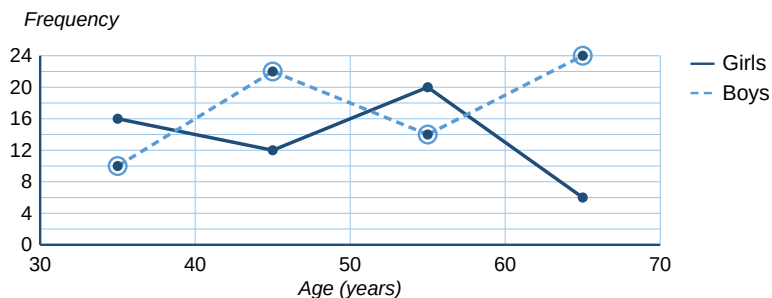
Length (cm)	Frequency
$10 < l \leq 12$	20
$12 < l \leq 14$	8
$14 < l \leq 16$	4
$16 < l \leq 18$	16

48 values, so the median is at position 24 and 25

$12 < l \leq 14$

3 / 3

- 78 The frequency polygons show the ages, in years, of the people at a club.
How many more are in Boys than in Girls for the class $60 < a \leq 70$?



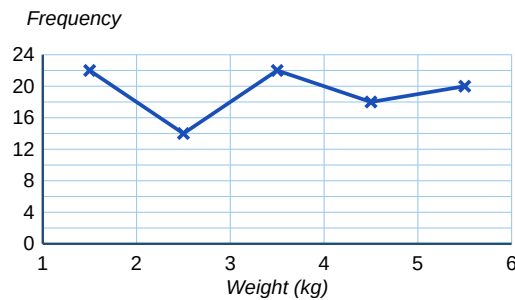
$$24 - 6 = 18$$

18

3 / 3

- 79 The table shows the weight, in kg, of some cats.
Draw a frequency polygon for this information.

Weight (kg)	Frequency
$1 < w \leq 2$	22
$2 < w \leq 3$	14
$3 < w \leq 4$	22
$4 < w \leq 5$	18
$5 < w \leq 6$	20



3 / 3

- 80 The table shows the time taken, in minutes, by people to run 5 km.
Write down the class that contains the median.

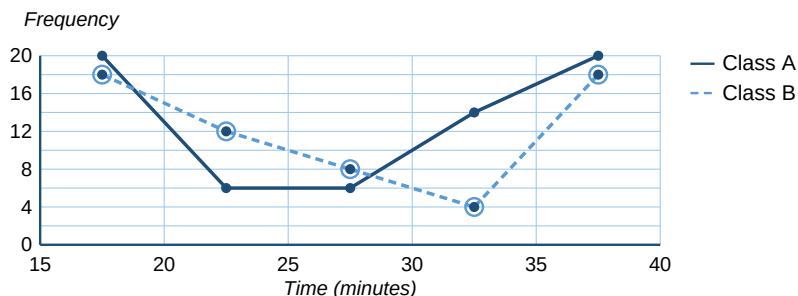
Time (minutes)	Frequency
$15 < t \leq 20$	20
$20 < t \leq 25$	6
$25 < t \leq 30$	6
$30 < t \leq 35$	6

38 values, so the median is at position 19 and 20

$$15 < t \leq 20$$

3 / 3

- 81 The frequency polygons show the time taken, in minutes, by people to run 5 km.
How many more are in Class B than in Class A for the class $25 < t \leq 30$?



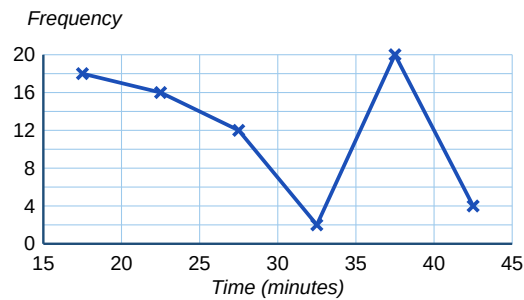
$$8 - 6 = 2$$

2

3 / 3

- 82 The table shows the time taken, in minutes, by people to run 5 km.
Draw a frequency polygon for this information.

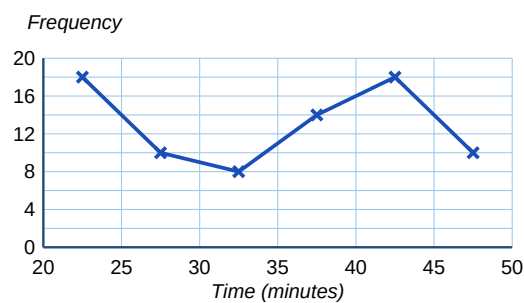
Time (minutes)	Frequency
$15 < t \leq 20$	18
$20 < t \leq 25$	16
$25 < t \leq 30$	12
$30 < t \leq 35$	2
$35 < t \leq 40$	20
$40 < t \leq 45$	4



3 / 3

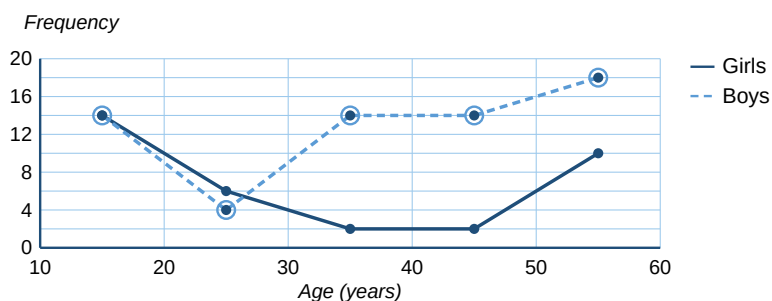
- 83 The table shows the journey times, in minutes, of some buses.
Draw a frequency polygon for this information.

Time (minutes)	Frequency
$20 < t \leq 25$	18
$25 < t \leq 30$	10
$30 < t \leq 35$	8
$35 < t \leq 40$	14
$40 < t \leq 45$	18
$45 < t \leq 50$	10



3 / 3

- 84 The frequency polygons show the ages, in years, of the people at a club.
How many more are in Boys than in Girls for the class $30 < a \leq 40$?



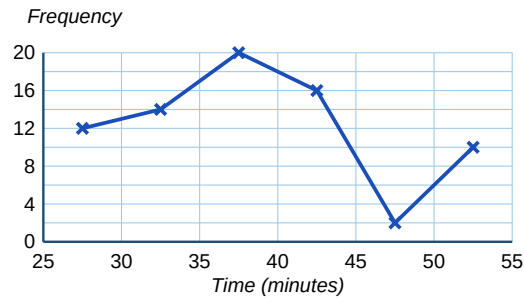
$$14 - 2 = 12$$

12

3 / 3

- 85 The table shows the time taken, in minutes, by people to run 5 km.
Draw a frequency polygon for this information.

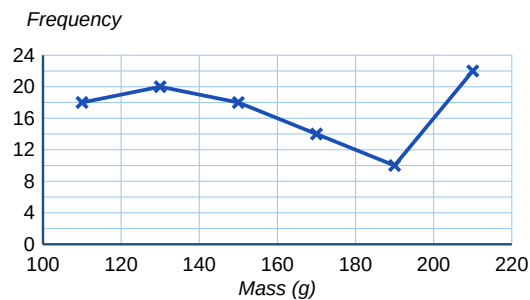
Time (minutes)	Frequency
$25 < t \leq 30$	12
$30 < t \leq 35$	14
$35 < t \leq 40$	20
$40 < t \leq 45$	16
$45 < t \leq 50$	2
$50 < t \leq 55$	10



3 / 3

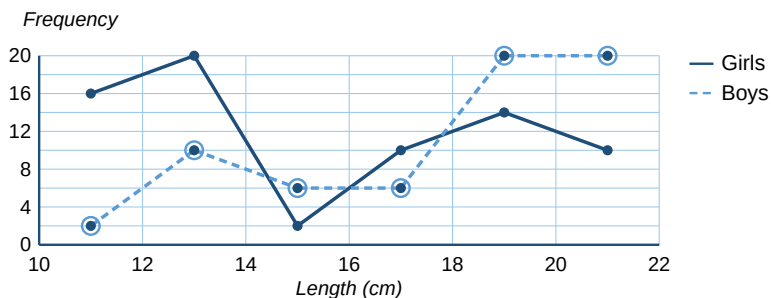
- 86 The table shows the masses, in grams, of some apples.
Draw a frequency polygon for this information.

Mass (g)	Frequency
$100 < m \leq 120$	18
$120 < m \leq 140$	20
$140 < m \leq 160$	18
$160 < m \leq 180$	14
$180 < m \leq 200$	10
$200 < m \leq 220$	22



3 / 3

- 87 The frequency polygons show the lengths, in cm, of some pencils.
How many more are in Boys than in Girls for the class $20 < l \leq 22$?



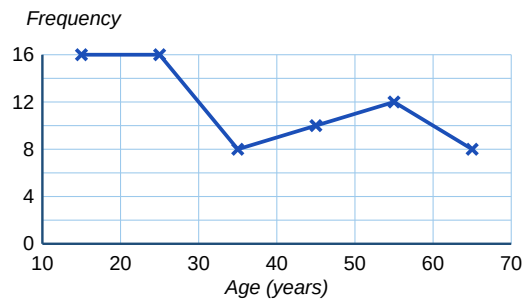
$$20 - 10 = 10$$

10

3 / 3

- 88** The table shows the ages, in years, of the people at a club.
Draw a frequency polygon for this information.

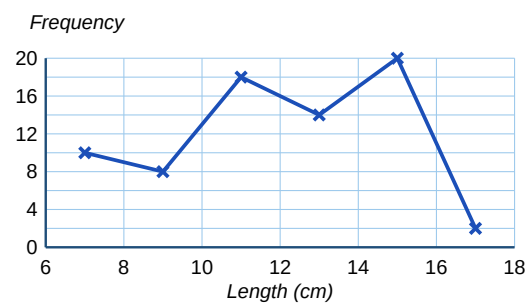
Age (years)	Frequency
$10 < a \leq 20$	16
$20 < a \leq 30$	16
$30 < a \leq 40$	8
$40 < a \leq 50$	10
$50 < a \leq 60$	12
$60 < a \leq 70$	8



3 / 3

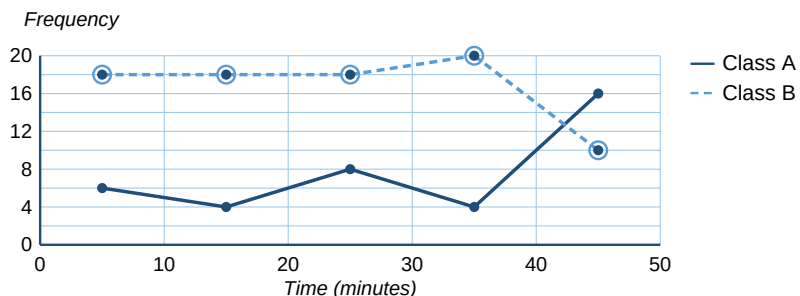
- 89** The table shows the lengths, in cm, of some pencils.
Draw a frequency polygon for this information.

Length (cm)	Frequency
$6 < l \leq 8$	10
$8 < l \leq 10$	8
$10 < l \leq 12$	18
$12 < l \leq 14$	14
$14 < l \leq 16$	20
$16 < l \leq 18$	2



3 / 3

- 90** The frequency polygons show the time taken, in minutes, by people to travel to an event.
How many more are in Class B than in Class A for the class $30 < t \leq 40$?



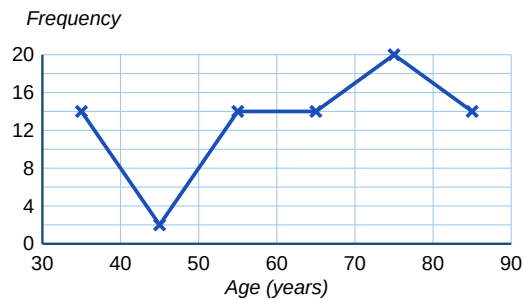
$$20 - 4 = 16$$

16

3 / 3

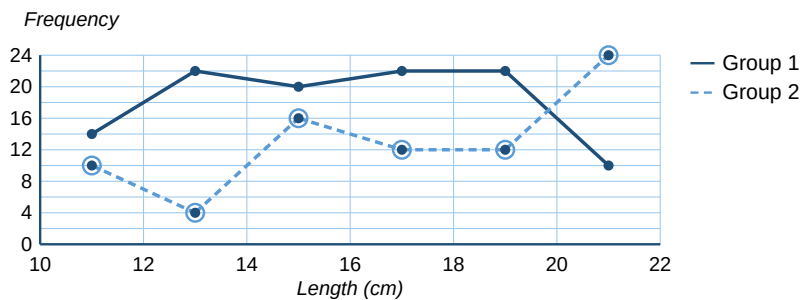
- 91 The table shows the ages, in years, of the people at a club.
Draw a frequency polygon for this information.

Age (years)	Frequency
$30 < a \leq 40$	14
$40 < a \leq 50$	2
$50 < a \leq 60$	14
$60 < a \leq 70$	14
$70 < a \leq 80$	20
$80 < a \leq 90$	14



3 / 3

- 92 The frequency polygons show the lengths, in cm, of some pencils.
How many more Group 1 than Group 2 are in the class $18 < l \leq 20$?

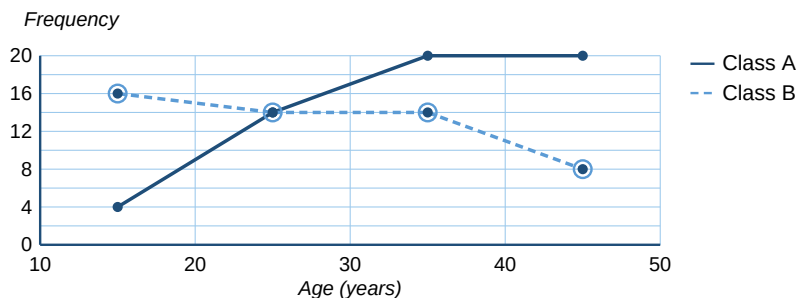


$$22 - 12 = 10$$

10

3 / 3

- 93 The frequency polygons show the ages, in years, of the people at a club.
How many more Class A than Class B are in the class $30 < a \leq 40$?

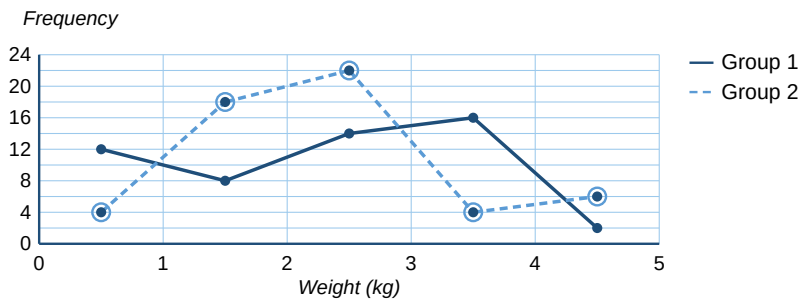


$$20 - 14 = 6$$

6

3 / 3

- 94 The frequency polygons show the weight, in kg, of some cats.
Which group has the greater total frequency, and by how much?

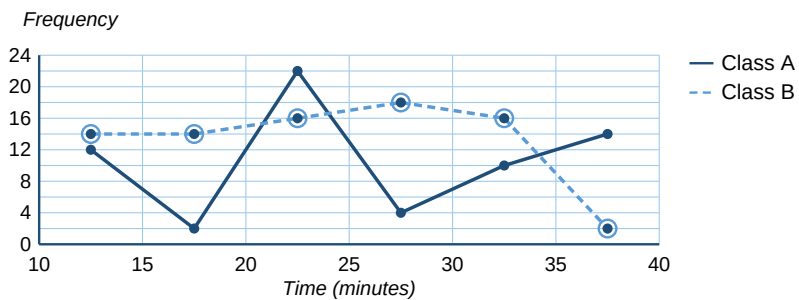


Group 1 total
= 52
Group 2 total
= 54

Group 2, by 2

3 / 3

- 95 The frequency polygons show the journey times, in minutes, of some buses.
Which group has the greater total frequency, and by how much?

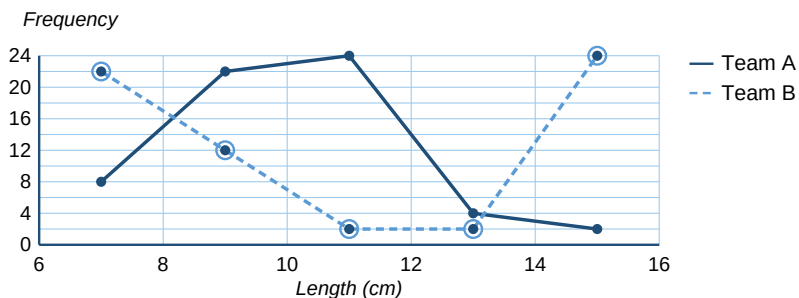


Class A total
= 64
Class B total
= 80

Class B, by 16

3 / 3

- 96 The frequency polygons show the lengths, in cm, of some pencils.
Which group has the greater total frequency, and by how much?

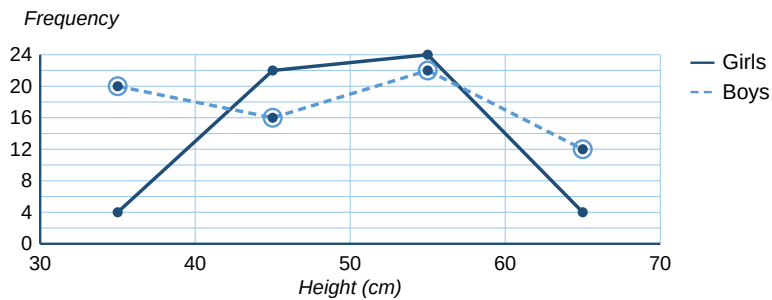


Team A total
= 60
Team B total
= 62

Team B, by 2

3 / 3

- 97 The frequency polygons show the heights, in cm, of some plants. Which group has the greater total frequency, and by how much?



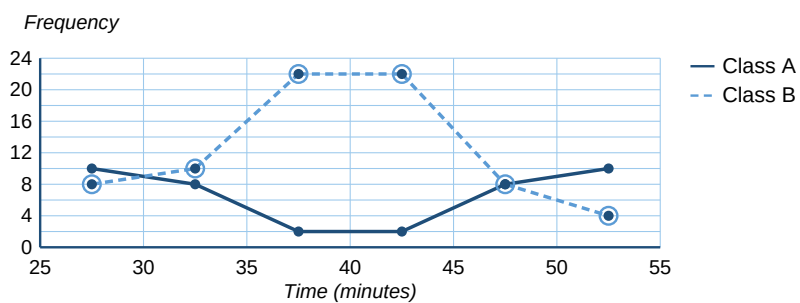
Girls total =
54

Boys total =
70

Boys, by 16

3 / 3

- 98 The frequency polygons show the time taken, in minutes, by people to run 5 km. Which group has the greater total frequency, and by how much?



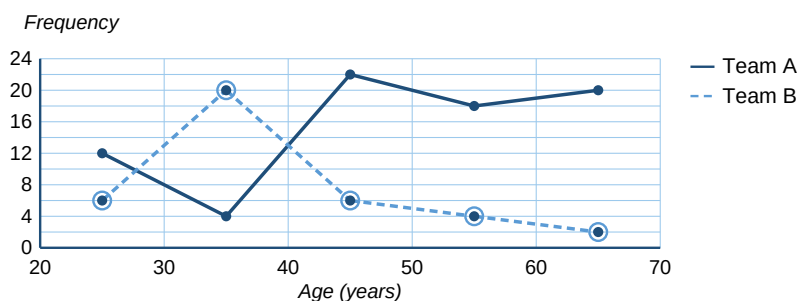
Class A total
= 40

Class B total
= 74

Class B, by 34

3 / 3

- 99 The frequency polygons show the ages, in years, of the people at a club. Which group has the greater total frequency, and by how much?



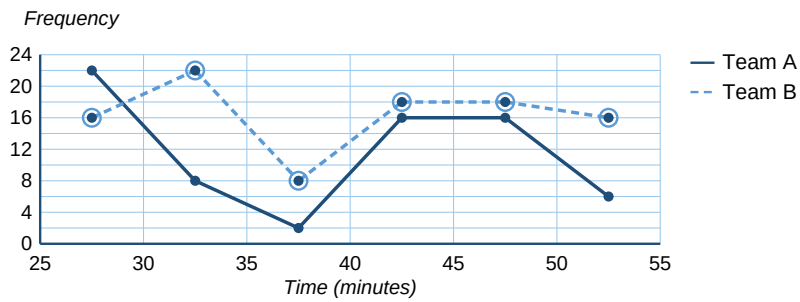
Team A total
= 76

Team B total
= 38

Team A, by 38

3 / 3

- 100** The frequency polygons show the time taken, in minutes, by people to run 5 km.
Which group has the greater total frequency, and by how much?



Team A total
= 70

Team B total
= 98

Team B, by 28

3 / 3