مهارات المعرفة
لأجل الإمارات LS4UAE

مؤسسة الإمارات للتعليم المدرسي
EMIRATES SCHOOLS ESTABLISHMENT

Content Domain	Main Topic	Cognitive Domain
DATA	Data Interpretation	Reasoning

Heights of four girls on graph

The graph shows the heights of four girls.
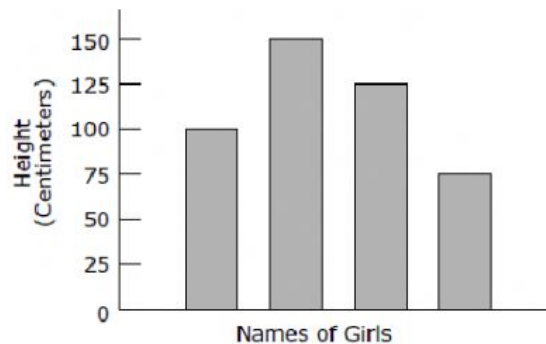
The names are missing from the graph. Debbie is the tallest. Amy is the shortest. Dawn is taller than Sarah. How tall is Sarah?

Ⓐ   75 cm

Ⓑ   100 cm

Ⓒ   125 cm

Ⓓ   150 cm

Content Domain	Main Topic	Cognitive Domain
DATA	Data Representation	Solving Routine Problems

Bar graph: which shows 45 bottles

Central School had a bottle collection. Children in each class brought empty bottles to school. The principal made a bar graph of the number of bottles from five classes.
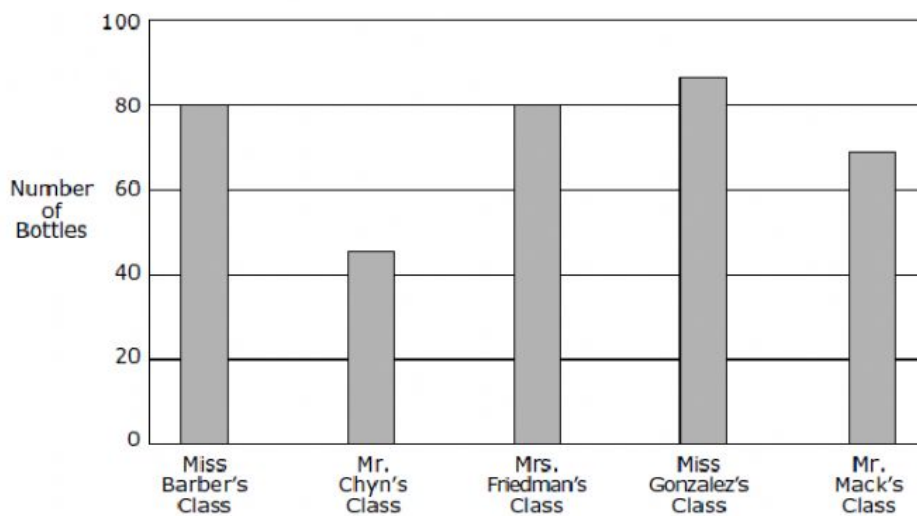
Which class collected 45 bottles?

Ⓐ Miss Barber's class

Ⓑ Mr. Chyn's class

Ⓒ Mrs. Friedman's class

Ⓓ Mr. Mack's class

Content Domain	Main Topic	Cognitive Domain
DATA	Data Representation	Solving Routine Problems

Bar graph: which two show 80 bottles

Central School had a bottle collection. Children in each class brought empty bottles to school. The principal made a bar graph of the number of bottles from five classes.
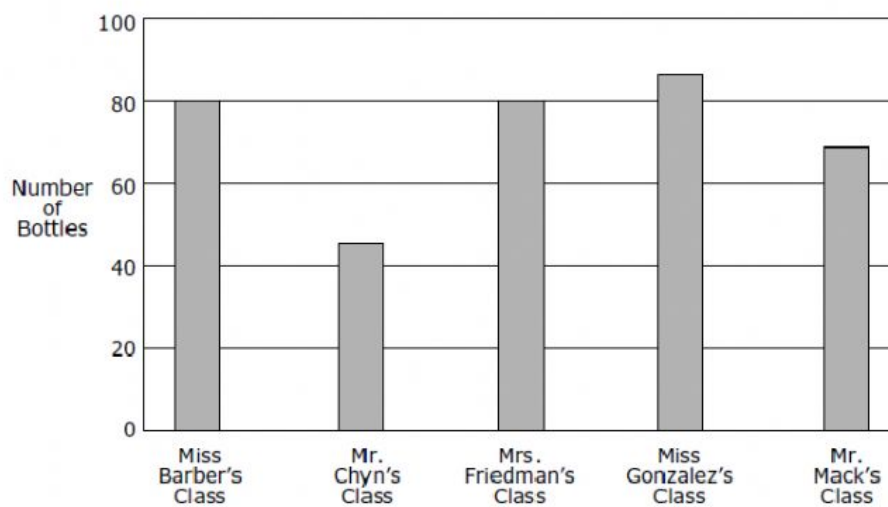

Which two classes collected exactly 80 bottles?

Ⓐ Miss Barber's and Mrs. Friedman's classes

Ⓑ Miss Barber's and Mr. Mack's classes

Ⓒ Mrs. Friedman's and Miss Gonzalez's classes

Ⓓ Miss Gonzalez's and Mr. Mack's classes

Content Domain	Main Topic	Cognitive Domain
DATA	Data Interpretation	Solving Routine Problems

Highest temperature on chart

This chart shows temperature readings made at different times on four days.

| TEMPERATURES					
	6 a.m.	9 a.m.	Noon	3 p.m.	8 p.m.
Monday	15°	17°	20°	21°	19°
Tuesday	15°	15°	15°	10°	9°
Wednesday	8°	10°	14°	13°	15°
Thursday	8°	11°	14°	17°	20°

When was the highest temperature recorded?

(A) Noon on Monday

(B) 3 p.m. on Monday

(C) Noon on Tuesday

(D) 3 p.m. on Wednesday

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DATA	Data Representation	Solving Routine Problems

Colors of students' hair on the graph

In a class of 30 students, 10 have black hair, 15 have blonde hair, and the rest have brown hair. Complete the graph below to show the number of students with brown hair.
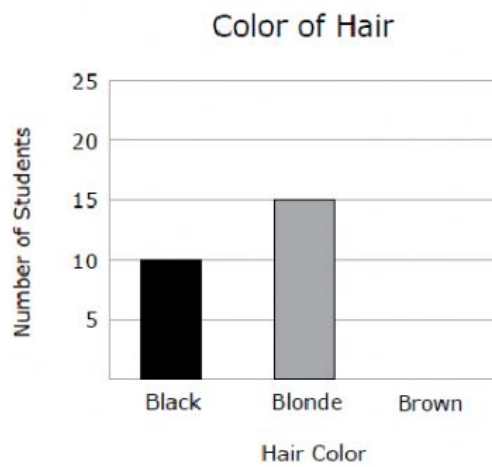
Color of Hair

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DATA	Data Representation	Solving Routine Problems

How many more pencils than rulers sold.

A store owner decided to check how many pens, pencils, erasers, and rulers were sold on the day school opened. He made the tally chart below.
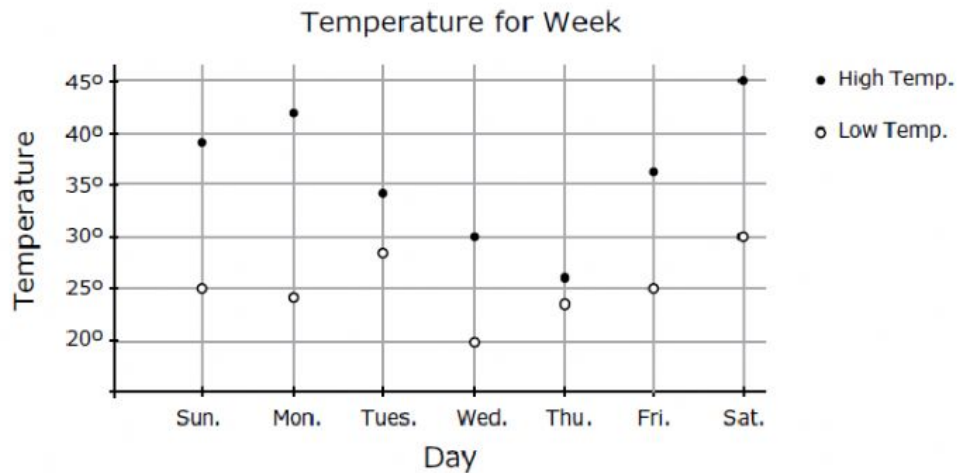
Pens	Pencils	Erasers	Rulers
₸₸ ₸₸ ₸₸ ₸₸ II	₸₸ ₸₸ ₸₸ ₸₸ ₸₸ I	₸₸ ₸₸ II	₸₸ ₸₸ ₸₸ ₸₸ IIII

How many more pencils than rulers were sold?

Answer: _____

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Content Domain	Main Topic	Cognitive Domain
DATA	Data interpretation	Solving Routine Problems

High and low temperatures for a week

Temperature for Week

The graph above shows the daily high and low temperatures for a week.

On which day is the difference between the high and low temperatures the greatest?
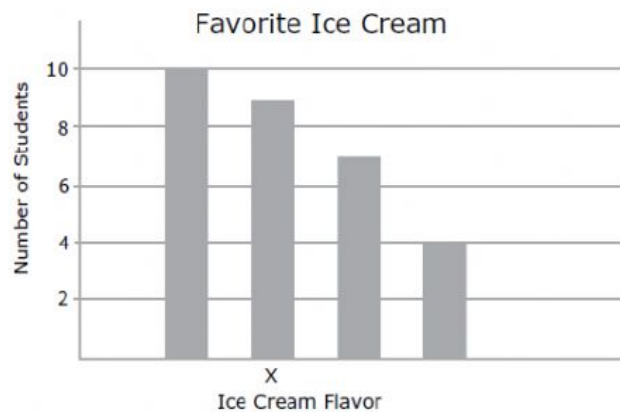
(A) Monday

(B) Thursday

(C) Friday

(D) Saturday

Content Domain	Main Topic	Cognitive Domain
DATA	Data Representation	Using Concepts

The favorite ice creams of 30 students

Favorite Ice Cream	Number of Students
Butterscotch	IIII
Chocolate	HHt HHt
Strawberry	HHt IIII
Vanilla	HHt II

A teacher asked 30 students in her class the flavor of their favorite ice cream. The table above shows how the teacher recorded the students' responses.

In the bar graph below, which ice cream flavor corresponds to the bar that is labeled X?

Favorite Ice Cream

Ⓐ butterscotch

Ⓑ chocolate

Ⓒ strawberry

Ⓓ vanilla