

Four teachers offer an after-school chess club. The table shows the number of students who joined.

Grade	Number of Students
Third	12
Fourth	36
Fifth	9

Part A

The teachers will divide the total group of students who joined into teams of **no more than** 6 students.

What is the **least** number of teams that will include all of the students?

Enter your answer in the box.

teams

Part B

The chess club started with 18 chess sets. The teachers ordered 3 cases of 15 chess sets. They will divide the total number of chess sets so that each teacher receives an equal number. Then they will give any extra sets to the school library.

What is the **greatest** number of chess sets each of the 4 teachers should get?

Enter your answer in the box.

chess sets

1

Enter your answer in the box.

$7,564 + 8,239 =$

2

Jordan places two boards end to end to make one shelf. The first board is $\frac{47}{100}$ meter long. The second board is $\frac{5}{10}$ meter long.

Part A

What fraction is equivalent to $\frac{5}{10}$ and has a denominator of 100?

Enter your answer in the space provided.

Calculator interface for Part A. The input field is empty. The calculator keypad shows the 'Numbers' section expanded with digits 0-9, a decimal point, and a comma. The 'Arithmetic and Units' section shows symbols for not equal to, absolute value, dollar sign, and degree.

Part B

What is the total length, in meters, of the two boards?

Enter your answer in the space provided.

Calculator interface for Part B. The input field is empty. The calculator keypad shows the 'Numbers' section expanded with digits 0-9, a decimal point, and a comma. The 'Arithmetic and Units' section shows symbols for not equal to, absolute value, dollar sign, and degree. The number 3 is entered in the input field.

The Amazon River is about 6,516 kilometers long.

The Mississippi River is about 3,775 kilometers long.

What is the difference, in kilometers, between these two lengths?

Enter your answer in the box.

kilometers

Select the **three** choices that are factor pairs for the number 28.

A. 1 and 28

B. 2 and 14

C. 3 and 9

D. 4 and 7

E. 6 and 5

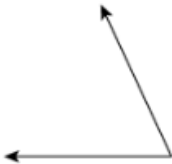
F. 8 and 3

5

Which angle has a measure of 65° ?

You can use the protractor to help you find the answer.

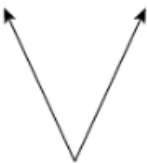
A.



B.



C.








D.



6

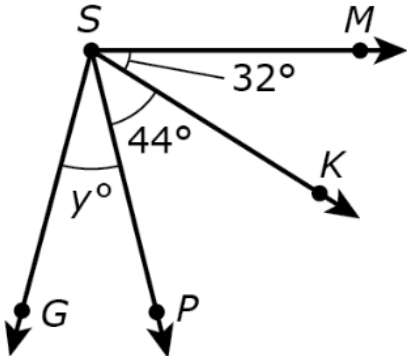
For each figure pictured in the table, select the box for any statement that describes the figure. You may select more than one box for each figure.

	Appears to have at least 2 parallel sides	Has at least 2 perpendicular sides
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

7

The measures of angle MSK , angle KSP , and angle PSG are shown in Figure 2. The measure of angle MSG is still 105° .

Figure 2



Part A

Drag and drop numbers and symbols into the blanks to complete an equation that can be used to find the value of y . Each symbol may be used more than once or not at all.

Drag and drop the numbers and symbols into the correct order.

= 105

Part B

What is the value of y ?

Enter your answer in the box.

8

Which **two** equations represent the statement “48 is 6 times as many as 8”?

Select the **two** correct answers.

A. $48 = 6 + 8$

B. $48 = 6 \times 8$

C. $48 = 6 \times 6$

D. $48 = 8 + 6$

E. $48 = 8 \times 6$

9

Part A

Sean buys 5 packages of fish. There is $\frac{7}{8}$ pound of fish in each package.

What is the total weight, in pounds, of fish that Sean buys?

Enter your answer in the space provided.

Numbers

0	1	2	3
4	5	6	7
8	9	,	.

Arithmetic and Units

≠	:	\$	°
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Part B

Sean cooks 1 package of the fish. He eats $\frac{3}{8}$ pound of the fish from the package.

What is the total weight, in pounds, of the cooked fish that is left after Sean eats $\frac{3}{8}$ pound?

Enter your answer in the space provided.

Numbers

0	1	2	3
4	5	6	7
8	9	,	.

Arithmetic and Units

≠	:	\$	°
---	---	----	---

10