Name _____ Date _____

Part 1

Solve.

1. $\frac{3}{4} + \frac{1}{2}$ _____
2. $\frac{5}{9} - \frac{1}{6}$ _____
3. $\frac{7}{8} \cdot \frac{2}{3}$ _____
4. $\frac{3}{5} \div \frac{1}{5}$ _____
5. $9\frac{2}{3} - 7\frac{1}{3}$ _____
6. $1\frac{1}{2} + 2\frac{3}{4}$ _____
7. $22.7 + 39.18$ _____
8. $179.01 - 55.83$ _____

Part 2

Fill in the table with the equivalent fractions, decimal numbers, or percents in each row.

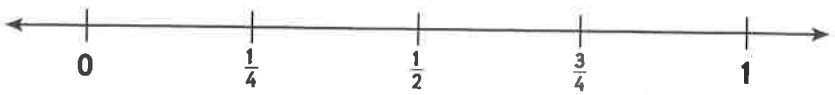
Problem Number	Fraction	Decimal Number	Percent
9.	$\frac{4}{5}$	0.8	
10.		0.25	25%
11.	$\frac{3}{4}$		75%
12.	$\frac{1}{100}$	0.01	

Part 3

Find the approximate location on the number line.

13. Put an X on the number line below to show the approximate location of 0.01.

14. Put an X on the number line below to show the approximate location of $\frac{2}{3}$.



15. Put an X on the number line below to show the approximate location of 30%.

Part 4

Place the decimal point in the correct location in each answer.

16. Where should the decimal point be in this answer?

    $2.2 \cdot 0.45 = 9\ 9\ 0$

17. Where should the decimal point be in this answer?

    $44.2 \div 8.5 = 5\ 2\ 0$

Part 5

Write the numbers using scientific notation.

18. Write 2.5×10^2 in standard form. _____

19. The number 3,700 is written in scientific notation as $3.7 \times$ _____.

Part 6

Answer the questions about positive and negative integers.

20. -5 and 5 are called _____.

    (a) reciprocals

    (b) opposites

    (c) irrational numbers

21. Which is greater, -9 or -10? _____

Part 7

Solve.

22. $-2 + -3$ _____

23. $-5 - -3$ _____

24. $9 \cdot -4$ _____

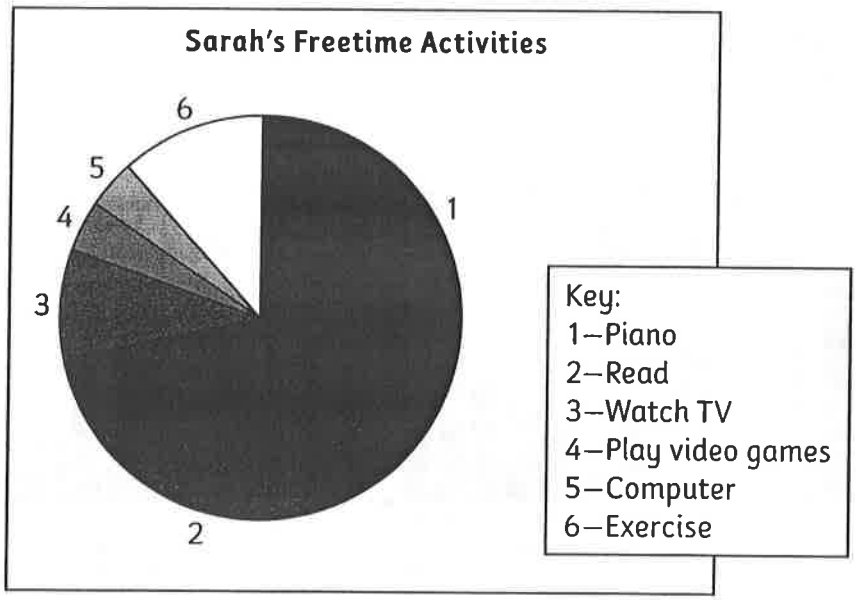
25. $-72 \div -9$ _____

Name _____ Date _____

Part 8

Answer the questions about data and probability.

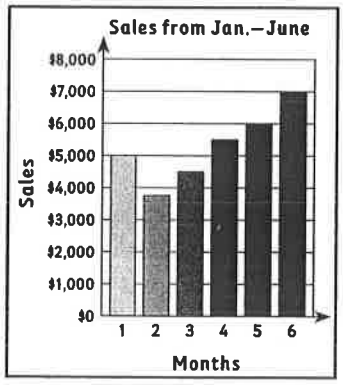
26. About what percent of her free time does Sarah practice piano? _____



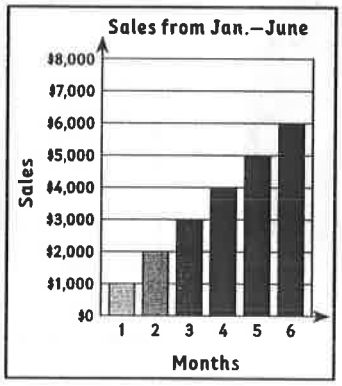
27. Select the graph that best matches the data in the table. _____

Month	Sales
Jan.	$5,000
Feb.	$3,700
March	$4,600
April	$5,500
May	$6,000
June	$7,000

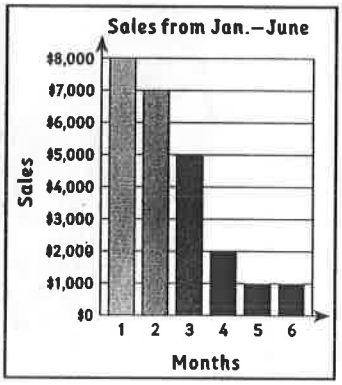
(a)



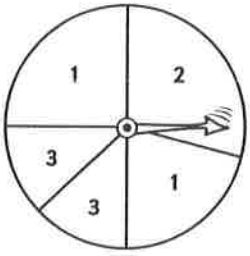
(b)



(c)



28. When you spin this spinner, you have the highest probability of landing on which number? _____



29. Which event is the most likely to happen when rolling two six-sided dice? _____

(a) You will roll a total of 2.

(b) You will roll a total of 7.

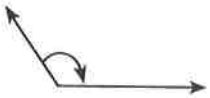
(c) You will roll a total of 12.

Name _____ Date _____

Part 9

Answer the questions about geometry and measurement.

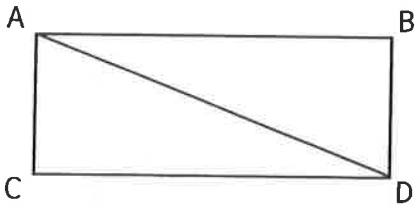
30. Which benchmark angle is closest to this angle? _____



(a) 90° **(b)** 45° **(c)** 180°

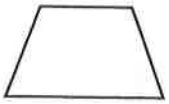
31. The area of the rectangle ABCD below is 18 units^2.

What is the area of triangle ABD? _____ units^2

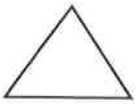


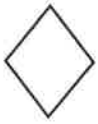
32. Which shape is not a quadrilateral? _____

(a) 

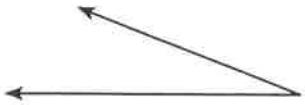
(b) 

(c) 

(d) 

(e) 

33. The following angle is what type of angle? _____

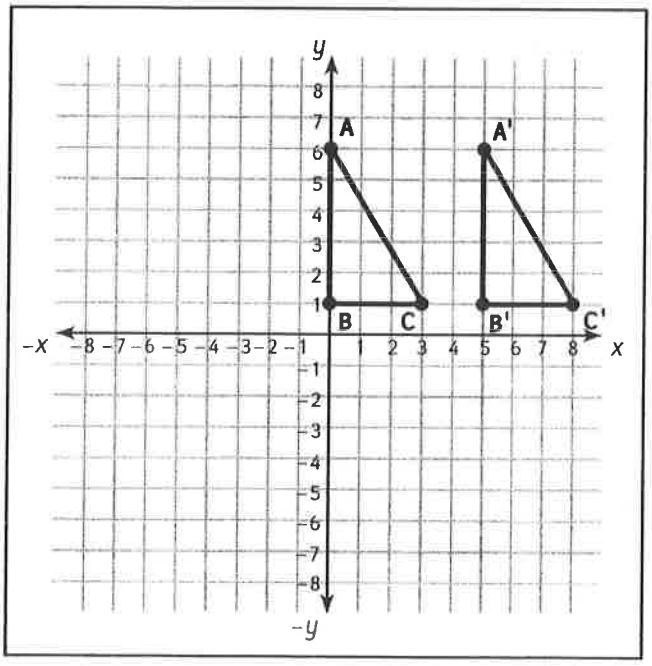


(a) acute

(b) obtuse

(c) right

Use the following graph to answer questions 34 and 35.



34. Which of the vertices of Triangle ABC has the coordinates (3, 1)? _____

35. What are the coordinates of the vertex C' on the translated triangle? _____