

1. What is the value of the expression $54 - (12 \div 2)$?
 - A. 21
 - B. 30
 - C. 33
 - D. 48

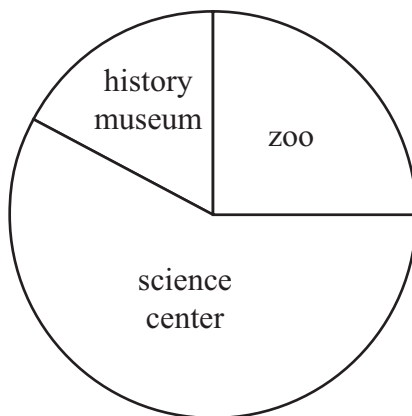
2. Which list is in order from least to greatest?
 - A. 8.120, 8.012, 8.201, 8.210
 - B. 8.012, 8.120, 8.210, 8.201
 - C. 8.012, 8.120, 8.201, 8.210
 - D. 8.120, 8.201, 8.012, 8.201

3. What is the greatest common factor of 18 and 24?
 - A. 2
 - B. 3
 - C. 4
 - D. 6

4. What is the quotient of $47.1 \div 5$?
 - A. 0.942
 - B. 9.42
 - C. 94.2
 - D. 942

5. Use the circle graph below to answer the question.

Field Trip Survey Results



The circle graph shows the results of a survey of 300 fifth-grade students to find out where they would like to go for their class field trip. How many students would like to go to the zoo?

- A. 75
B. 90
C. 100
D. 125
6. The walking club at school walked $3\frac{1}{2}$ miles the first week and $3\frac{1}{4}$ miles the second week. How much farther did the students walk the first week than the second week?
- A. $\frac{1}{4}$ mile
B. $\frac{1}{2}$ mile
C. $6\frac{2}{6}$ miles
D. $6\frac{3}{4}$ miles

7. Anna eats 30% of a pizza that is cut into 10 pieces that are the same size. What fraction of the pizza does she eat?

A. $\frac{1}{5}$

B. $\frac{3}{10}$

C. $\frac{1}{3}$

D. $\frac{3}{7}$

8. Which fractions have a common denominator of 24?

A. $\frac{1}{20}$ and $\frac{1}{4}$

B. $\frac{1}{14}$ and $\frac{1}{24}$

C. $\frac{1}{3}$ and $\frac{1}{8}$

D. $\frac{2}{3}$ and $\frac{6}{7}$

9. What is $10\frac{2}{3} - 8\frac{1}{7}$?

A. $2\frac{1}{10}$

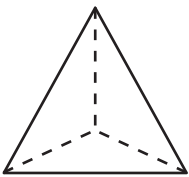
B. $2\frac{3}{21}$

C. $2\frac{1}{4}$

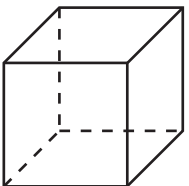
D. $2\frac{11}{21}$

10. Which solid object has 4 faces, 6 edges, and 4 vertices?

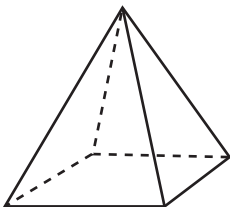
A.



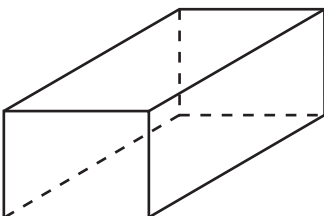
B.



C.



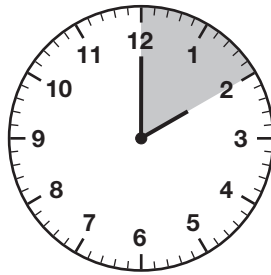
D.



11. Five pounds of apples cost \$5.78. Mary needs 10 pounds of apples to make applesauce. Which estimate is closest to the cost of 10 pounds of apples?

- A. \$10.00
- B. \$11.00
- C. \$12.00
- D. \$13.00

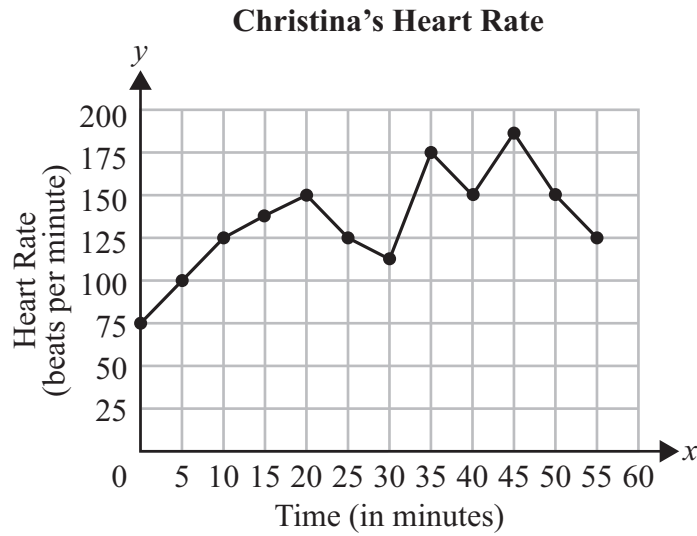
12. Use the picture below to answer the question.



What is the measure, in degrees, of the angle formed by the hands of the clock?

- A. 30°
- B. 45°
- C. 60°
- D. 90°

13. Use the graph to answer the question.



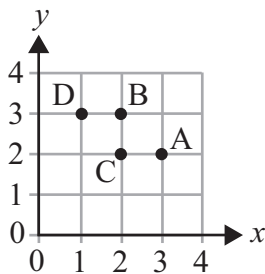
The line graph shows Christina's heart rate at 5-minute intervals after she starts exercising. During which 5-minute interval did Christina's heart rate increase the most?

- A. 15 minutes to 20 minutes
- B. 30 minutes to 35 minutes
- C. 40 minutes to 45 minutes
- D. 45 minutes to 50 minutes

14. Which metric unit is the most appropriate to measure the length of a classroom?

- A. centimeter
- B. kilometer
- C. meter
- D. millimeter

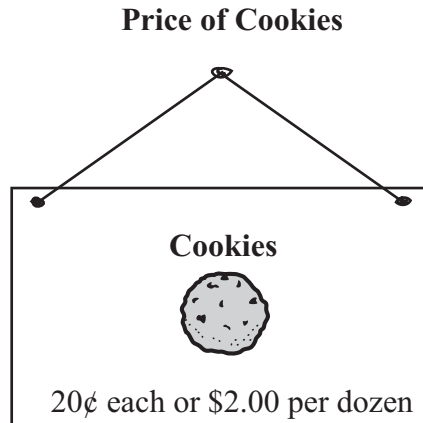
15. Use the coordinate grid below to answer the question.



Which point has the coordinates (2, 3)?

- A. point A
 - B. point B
 - C. point C
 - D. point D
16. What is the value of b when $b + 1.4 = 241$?
- A. 23.96
 - B. 227
 - C. 239.6
 - D. 240.86
17. Derek uses the distributive property to find 24×7 . Which statement describes how he could find 24×7 ?
- A. multiply 7 by 20, then add 4
 - B. multiply 7 by 4, then add 20
 - C. multiply 20 by 7, then add the product of 4 and 7
 - D. multiply 20 by 4, then add the product of 2 and 7

18. Use the picture below to answer the question.



Trisha wants to buy 1 dozen cookies (12 cookies). What is the difference in price between buying 12 cookies individually and buying them by the dozen?

- A. \$0.20
 - B. \$0.40
 - C. \$1.00
 - D. \$1.20
19. Which numbers between 10 and 17 are prime?
- A. 11, 13
 - B. 11, 13, 15
 - C. 12, 14, 16
 - D. 12, 15

20. A bag contains the 26 letters of the alphabet on individual tiles. What is the probability of randomly drawing an A or Z out of the bag?

A. $\frac{1}{26}$

B. $\frac{2}{26}$

C. $\frac{2}{24}$

D. $\frac{13}{26}$

21. Use the picture below to answer the question.



The 4 shapes are placed into a bag. Sam removes 2 of the shapes from the bag at the same time. Which outcome could NOT be the shapes Sam removed from the bag?

A. triangle and circle

B. rectangle and rectangle

C. rectangle and circle

D. triangle and triangle

22. Jake uses 1.5 gallons of gasoline each hour he mows lawns. Which number shows the amount of gasoline he uses in 3.5 hours?

A. 3.25

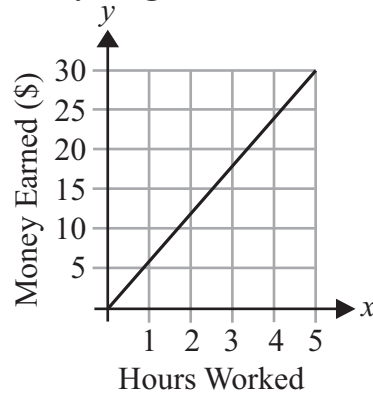
B. 3.50

C. 5.25

D. 5.50

23. Use the line graph below to answer the question.

Hourly Wages for Summer Jobs



Which table matches the information on the graph?

A. **Hourly Wages for Summer Jobs**

Hours Worked	1	2	3	4	5
Money Earned	\$6	\$12	\$18	\$24	\$30

B. **Hourly Wages for Summer Jobs**

Hours Worked	1	2	3	4	5
Money Earned	\$5	\$10	\$20	\$25	\$30

C. **Hourly Wages for Summer Jobs**

Hours Worked	1	2	3	4	5
Money Earned	\$5	\$10	\$15	\$20	\$25

D. **Hourly Wages for Summer Jobs**

Hours Worked	1	2	3	4	5
Money Earned	\$7	\$14	\$21	\$28	\$35

24. When $q = 3.5$, what is $8.5 - 4.3 - q$?
- A. 0.7
 - B. 1.3
 - C. 7.7
 - D. 9.3
25. The area of a square room is 16 square feet. What is the length and the width of the room?
- A. 4 feet and 4 feet
 - B. 6 feet and 2 feet
 - C. 8 feet and 2 feet
 - D. 10 feet and 6 feet
26. Which number is equivalent to 7.810?
- A. seven and eighty-one
 - B. seven and eight hundred ten
 - C. seven and eighty-one hundredths
 - D. seven and eighty-one thousandths

27. Use the equation below to answer the question.

$$(6 + 4) + 7 = 6 + (b + 7)$$

What value of b makes this equation correct?

- A. 1
- B. 4
- C. 10
- D. 17

CIRCLE THE CORRECT ANSWER FOR EACH OF THE FOLLOWING.

1. Which best represents four thousand, three hundred and three?
 - a) 453
 - b) 4033
 - c) 4303
 - d) 40003003

2. What is the value of $21.34 + 378.15 + 3.01$?
 - a) 302.50
 - b) 392.50
 - c) 402.50
 - d) 492.50

3. Which best describes the set $\{2, 3, 5, 7, 11 \dots\}$?
 - a) odd numbers
 - b) even numbers
 - c) fractional numbers
 - d) prime numbers

4. What is the value of 486×37 ?
 - a) 18042
 - b) 17982
 - c) 17980
 - d) 17882

5. Round off to the nearest hundredth: 29.909.
- a) 29.908
 - b) 29.910
 - c) 29.918
 - d) 30.908
6. What is the value of $4007 - 3984$?
- a) 13
 - b) 23
 - c) 123
 - d) 133
7. Which of the following represents 5^3 ?
- a) $5 \times 5 \times 5$
 - b) $5 + 5 + 5$
 - c) 5×3
 - d) $3 \times 3 \times 3 \times 3 \times 3$
8. Express $\frac{4}{5}$ as a decimal number.
- a) 0.4
 - b) 0.45
 - c) 0.6
 - d) 0.8
9. What is the least common multiple for 12 and 8?
- a) 4
 - b) 12
 - c) 24
 - d) 48
10. Study shows that there are over 2 034 651 stars in the galaxy. What is the value of the 3 in this number?
- a) three thousand
 - b) thirty thousand
 - c) thirty four thousand
 - d) three hundred thousand

11. What is the value of $3\frac{3}{4} - 2\frac{1}{4}$?
- a) $1\frac{1}{2}$
 - b) $1\frac{3}{4}$
 - c) $2\frac{1}{4}$
 - d) $2\frac{3}{4}$
12. What is the value of $2\frac{1}{3} + 4\frac{1}{2}$?
- a) $6\frac{1}{6}$
 - b) $6\frac{1}{5}$
 - c) $6\frac{2}{5}$
 - d) $6\frac{5}{6}$
13. What is the value of $\frac{1}{3} \times \frac{1}{2}$?
- a) 6
 - b) $\frac{1}{6}$
 - c) $\frac{5}{30}$
 - d) $\frac{1}{5}$
14. Mr. Phillips needs $2\frac{1}{3}$ m of fabric to make a shirt.
How many similar shirts can be made from 35m of material?
- a) 37 shirts
 - b) 15 shirts
 - c) 18 shirts
 - d) 32 shirts

15. Express 3.25 as a fraction in its lowest term?

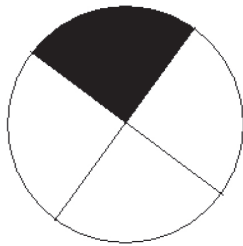
- a) $3\frac{1}{4}$
- b) $3\frac{3}{4}$
- c) $3\frac{1}{2}$
- d) $3\frac{2}{5}$

16. What is the product of 123 and 2.8?

- a) 3.444
- b) 34.44
- c) 344.4
- d) 3444

Use the diagram to answer question 17

17. If the shaded portion of the circle represents 17 students.
How many students are there in all?



- a) 17
 - b) 34
 - c) 51
 - d) 68
18. Three students collected 2 153 counters. One collected 635 and another collected 819.
How many counters did the third student collect?
- a) 699
 - b) 729
 - c) 1434
 - d) 1719

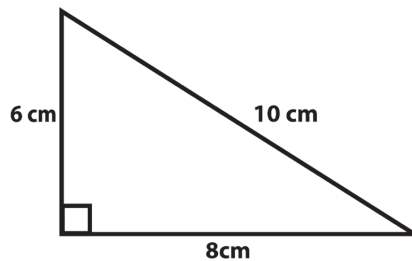
19. Claudia wants to pack 206 oranges into some boxes.
What is the minimum number of boxes that she needs if each box can hold 12 oranges?
- a) 19
 - b) 18
 - c) 17
 - d) 16
20. Which unit would you use to measure the following items: water, milk and soda?
- a) metre
 - b) kilogram
 - c) grams
 - d) litre
21. Which of the following shows another way of writing 6 kilolitres?
- a) 60 L
 - b) 600 L
 - c) 6000 L
 - d) 60000L
22. A tree was 5.4 m tall 5 years ago. It grows an average height of 25 cm every year.
How tall is the tree now?
- a) 5.65 m
 - b) 6.29 m
 - c) 6.65 m
 - d) 7.9 m
23. Which of the following is associated with the prefix centi?
- a) 100
 - b) 0.01
 - c) 0.001
 - d) 0.1

24. Marian bought 1 kg and 800 g of flour on Monday, while on Tuesday she bought 3 kg and 300g. What was the total amount of flour she bought?

- a) 3kg 500g
- b) 4kg 100g
- c) 4 kg 500g
- d) 5kg 100g

25. How would you find the area of the triangle below?

- a) $6 \times 8 \text{ m}^2$
- b) $\frac{6 \times 8}{2} \text{ m}^2$
- c) $6 \times 8 \times 2 \text{ m}^2$
- d) $6 \times 8 \times 10 \text{ m}^2$



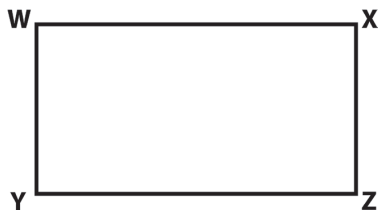
26. How many millimetres are equivalent to 30 centimetres?

- a) 3 mm
- b) 30 mm
- c) 300 mm
- d) 3000 mm

27. The temperature in Canada was 10°C below zero. The next morning it was 17°C below zero. What is the difference in the temperature?

- a) 7°C
- b) 3°C
- c) -7°C
- d) -3°C

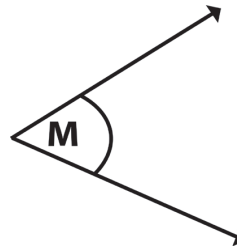
28. In the diagram below, side WX measures 14 cm. Side XZ is half the length of side WX. What is the perimeter of the shape?



- a) 14 cm
- b) 28 cm
- c) 42 cm
- d) 56 cm

29. What is the best estimate of the Angle M?

- a) less than 90°
- b) equal to 90°
- c) greater than 90° but less than 180°
- d) greater than 180° but less than 360°



30. Which of the following sets of interior angle measurements would most likely be that of an isosceles triangle?

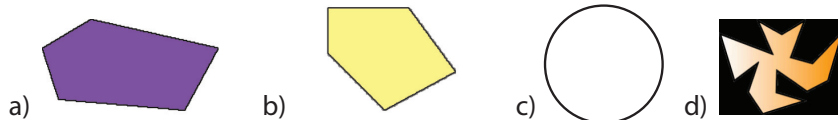
- a) $90^\circ, 45^\circ, 45^\circ$
- b) $60^\circ, 60^\circ, 60^\circ$
- c) $100^\circ, 30^\circ, 50^\circ$
- d) $120^\circ, 20^\circ, 40^\circ$

31. Which statement about the trapezoid is true?



- a) the trapezoid has 3 acute angles
- b) the trapezoid has 4 sides that are parallel
- c) the trapezoid has 2 right angles
- d) the trapezoid has 2 obtuse angles

32. Which of these shapes is NOT an example of a polygon?



33. Which expression represents the product of n and 25?

- a) $25n$
- b) $25 - n$
- c) $25 + n$
- d) $25 \div n$

34. Which situation best describes the expression $4 + x$?
- a) 4 children and x adults in a room
 - b) A total number of books on a shelf and x are missing
 - c) A total of 4 cars in a parking lot
 - d) A total of 4 lost socks
35. What is the value of p , if $3p + 6 = 12$?
- a) 9
 - b) 6
 - c) 3
 - d) 2

Bobby obtained the scores below on his tests. Use these scores to answer questions 36 and 37.

96, 87, 75, 82, 87

36. What is the range of Bobby's score?
- a) 9
 - b) 21
 - c) 87
 - d) 96
37. What is the median of the set of scores?
- a) 96
 - b) 87
 - c) 85
 - d) 75

Use the following information to answer questions 38 and 39. A bag contains the following items: 3 red pens, 2 blue pens, 4 white pens and 3 black pens.

38. If you were to choose one pen at random, which pen are you most likely to choose?
- a) a red pen
 - b) a blue pen
 - c) a white pen
 - d) a black pen

39. What is the probability of choosing a white pen?

- a) $\frac{1}{4}$
- b) $\frac{1}{6}$
- c) $\frac{1}{3}$
- d) $\frac{1}{2}$

Use the table below to answer questions 40 and 41

No of books borrowed	0	1	2	3	4	5	6
No. of students	3	7	9	5	10	6	3

A librarian recorded the number of books borrowed by pupils of Primary 5B in the table above.






40. How many pupils borrowed 3 or more books?

- a) 5
- b) 15
- c) 19
- d) 24

41. What was the total number of books borrowed by the pupils of Primary 5B?

- a) 128
- b) 43
- c) 21
- d) 6

The pictograph shows students attendance at school for 5 days.
Use the diagram below to answer questions 42 and 43.

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Key	 = 15 students

42. On which day did 75 students attend school?
- Monday
 - Tuesday
 - Wednesday
 - Thursday
43. What is the mean attendance for Monday and Tuesday?
- 40
 - 50
 - 60
 - 70

Use the Table to answer question 44

The table shows the scores of students on a Mathematics Test

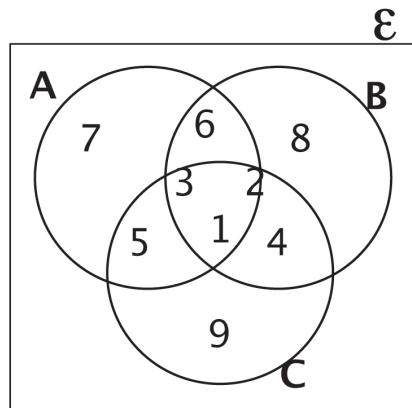
Students	Scores
Paul	89
Jim	34
Pam	72
Jill	34
Bob	20

44. Which statement is true about the data?
- 3 students got the same score on the test
 - 2 students scored more than 72 on the test
 - 3 students scored more than 50 on the test
 - 3 students scored less than 50 on the test

Name: _____ Date: _____

ANSWER ALL QUESTIONS IN THIS SECTION

1. Observe the following Venn diagram and then use it to answer the questions below.



- a) What are the members of Set A?

- b) What are the members of the Universal Set?

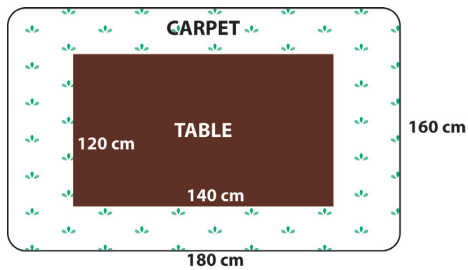
- c) What are the members of $A \cap B$?

2. Read the price list and answer the questions below.

Bread	\$85.40
Butter	\$67.20
Syrup	\$55.80
Cheese	\$25.30

Paul bought 2 breads, 1 pack of butter, 2 bottles of syrup and 3 slices of cheese and got \$74.50 change. How much money did he have in the beginning? (Show working) (3 marks)

3. Mother bought a carpet and placed it in her living room. She then placed a table in the middle of the carpet?

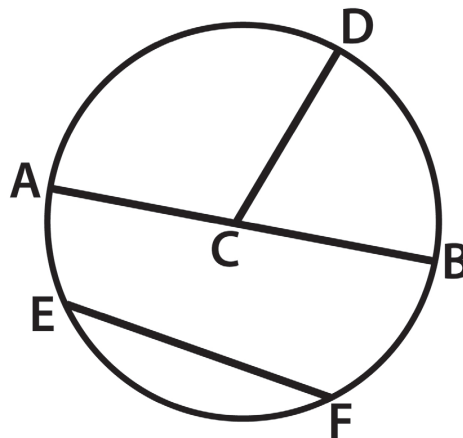


- a) What is the area of the table? _____ (1 mark)
- b) What is the area of carpet? _____ (1 mark)
- c) What is the area of the uncovered section of the carpet? _____ (2 marks)

4. a) If $x = 2$, $y = 3$ and $z = 4$, find the value of $\frac{y}{z} - \frac{x}{z}$ (2 marks)

- b) David's father is 49. He is 15 years older than twice David's age. How old is David? (2 marks)

5. Use the circle below to answer the following questions:



- a) Name the part of the circle labeled EF _____ (1 mark)

- b) Identify AB and CD then explain the relationship between both parts.

(2 marks)