

Instructions:

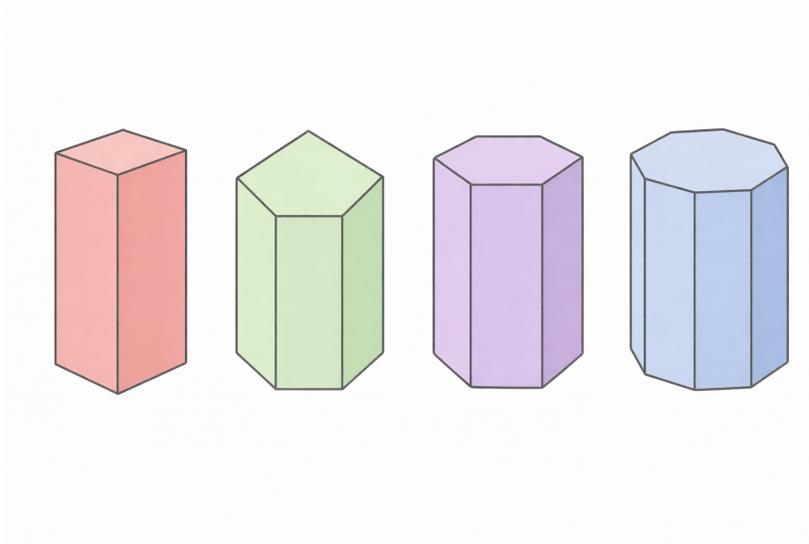
1. Do not open this booklet until you are told by your teacher to begin.
2. Materials: pencil, paper — no other materials. NO calculators!
3. You will have exactly **40 minutes** to work on the contest.
4. This is a multiple-choice contest. Each question is followed by five possible answers marked A, B, C, D, and E. Only one of the options is correct. After making your choice, fill it in the appropriate circle on the response form.
5. This form has 7 questions in Part A, 7 questions in Part B, and 4 questions in Part C.
6. Scoring:
 - Each correct answer is worth:
 - 4 points in Part A,
 - 5 points in Part B,
 - 6 points in Part C.
 - Each unanswered question is worth 2 points.
 - Incorrect answers are worth 0 points.

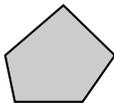
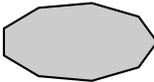
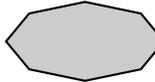
Part A (4 points each)

1. What is $38 - 2 + 9$?

- (A) 3829 (B) 36 (C) 45 (D) 25 (E) 47

2. Which of the five shapes shown below does NOT match the top of any of the coloured boxes?



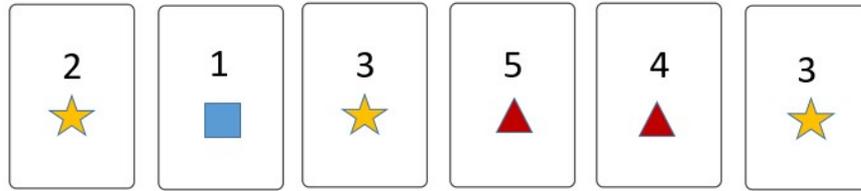
- (A)  (B)  (C)  (D)  (E) 

3. What is the difference between the largest odd number and the smallest even number in the image below?



- (A) 191 (B) 7 (C) 79 (D) 423 (E) 225

4. When Kinley draws a card from the six below, which of the options is most likely to happen?

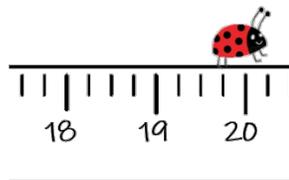


- (A) (B) (C) (D) (E)

5. Ellie chose three different numbers. The sum of her numbers is 9, and the product of her numbers is 24. Which of the following could be Ellie's numbers?

- (A) 2, 3, 2, 2
 (B) 6, 2, 2
 (C) 6, 3, 3
 (D) 6, 4, 1
 (E) 2, 3, 4

6. Zoe the ladybug is taking a walk on a ruler! She starts at the 6 cm mark and ends at the 20 cm mark. She stops for a snack exactly halfway on her journey. At which centimeter mark on the ruler does she stop?



- (A) 11 cm (B) 12 cm (C) 13 cm (D) 14 cm (E) 15 cm

7. Shaia had her first dance class on Thursday, August 3rd. Her next class will be 19 days later. On what day of the week will it be?

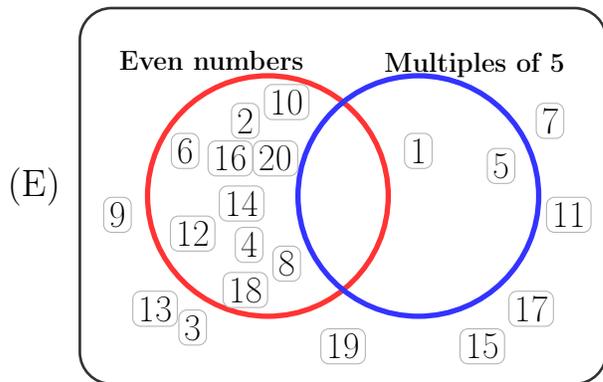
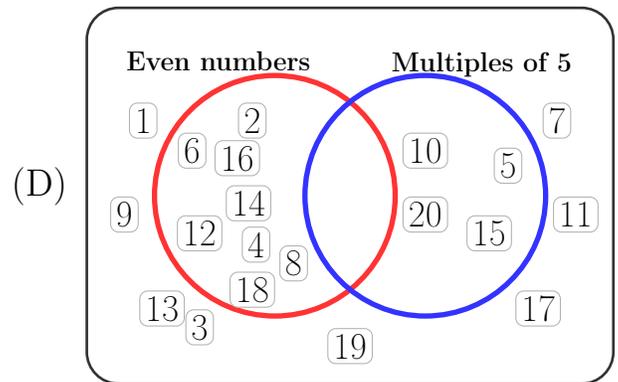
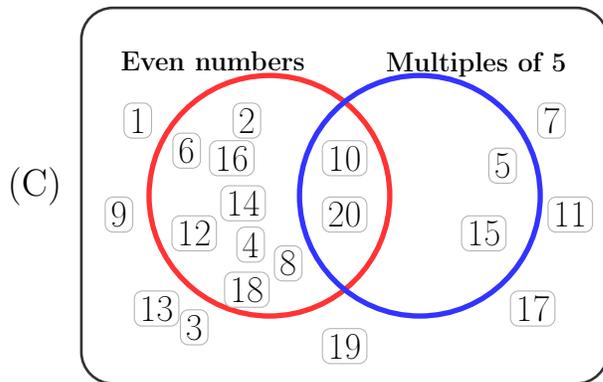
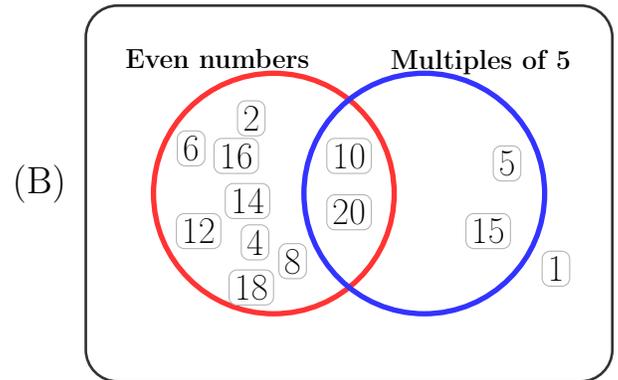
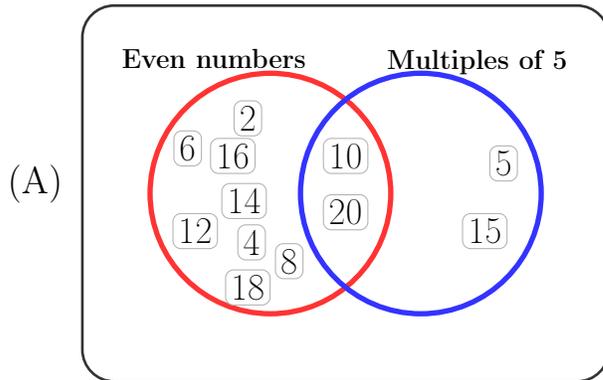
August						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

- (A) Monday (B) Tuesday (C) Wednesday (D) Thursday (E) Friday

Part B (5 points each)

8. Reece has 31 skittles, Nathan has 5 less than Reece, and Albert has three times as many as Nathan. How many more skittles does Reece need, if he wants to have 1 more than Albert?
- (A) 47 (B) 48 (C) 55 (D) 40 (E) 79
9. If you continue to write RenertRabbitRenertRabbitRenertRabbit....., what would be the 100th letter?
- (A) R (B) E (C) A (D) B (E) T

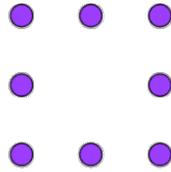
10. Which of the Venn diagrams correctly represents all the numbers from 1 to 20?



11. Freya exchanged 3 quarters, 3 dimes, and 5 pennies for nickles. How many nickles did she get?

- (A) 19 (B) 15 (C) 22 (D) 26 (E) 9

12. Nathaniel used 8 coins to make a square that has 3 coins on each side. Oliver made a triangle that has 10 coins on each side. How many coins did Oliver use in total?



- (A) 24 (B) 27 (C) 29 (D) 30 (E) 28

13. How many quarters of a pizza are in $3\frac{1}{2}$ pizzas?



- (A) 12 (B) 3 (C) 13 (D) 4 (E) 14

14. Adam and Marina look at the same number.

- Adam says: this number is bigger than 35.
- Marina says: this number is on the "Count by Fives" list.

If one of them always lies and the other always tells the truth, the number they are looking at could be:

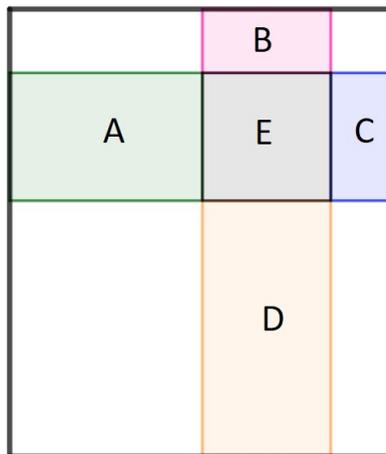
- (A) 24 (B) 34 (C) 50 (D) 35 (E) 45

Part C (6 points each)

15. A cat and a hat cost \$11 in total. If the cat costs \$4 more than the hat, what is the cost of 5 cats and 3 hats?

- (A) \$33 (B) \$48 (C) \$88 (D) \$55 (E) \$41

16. When Renert Rabbit walks around the large rectangle, he counts 54 steps. Then, when he walks around the smaller rectangles. He counts 18 steps around rectangle A, 16 around rectangle B, 14 around rectangle C and 26 around rectangle D. How many steps will he count if he walks around rectangle E?

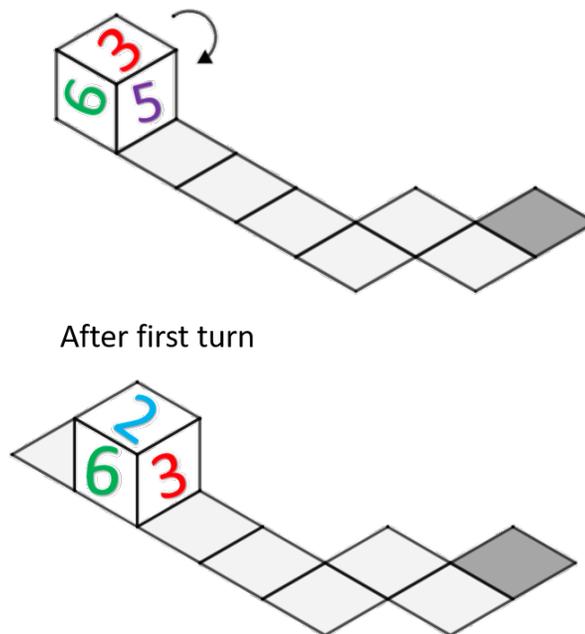


- (A) 15 steps (B) 19 steps (C) 20 steps (D) 22 steps (E) 24 steps

17. Seven cups form a pile 25 cm high. Fourteen identical cups form a 39 cm pile. What is the height of one cup?



- (A) 10 cm (B) 11 cm (C) 12 cm (D) 13 cm (E) 14 cm
18. The numbers on opposite faces of a die always add to 7. The die in the picture is rotated over the path. Which number will be facing up when the die lands on the darker gray square of the end of the path?



- (A) 1 (B) 2 (C) 3 (D) 4 (E) 5