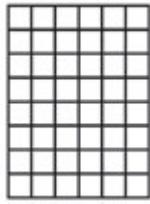
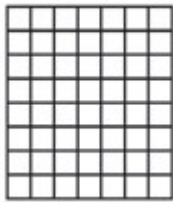


1) Which of the following diagrams illustrates the power 8^2 ?

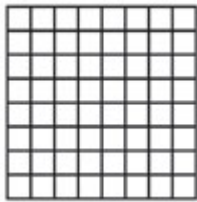
(A)



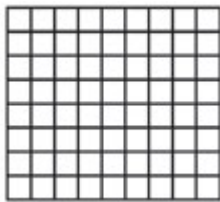
(B)



(C)



(D)



2) Which of the following numbers is the result of $(-17) + (-33) + (-21) + (-19)$?

(A) -90

(B) -10

(C) 14

(D) 56

3) Caitlin's thermometer rises 16°C in 4 hours. Expressed as a unit rate, 16°C in 4 hours is

- (A) $\frac{16^{\circ}\text{C}}{4\text{h}}$
- (B) $\frac{8^{\circ}\text{C}}{2\text{h}}$
- (C) $\frac{12^{\circ}\text{C}}{1\text{h}}$
- (D) $\frac{4^{\circ}\text{C}}{1\text{h}}$

4) A space probe launched by NASA will return to Earth in 6 days. The probe will travel approximately 2.142 million km during the 6 days. If it is assumed that the probe travels at a constant speed for the entire trip, what is the approximate distance travelled per day by the probe?

- (A) 0.357
- (B) 3.858
- (C) 8.142
- (D) 12.852

5) If Tom bought a bicycle for \$750 and sold it for \$675, the percentage of his loss is%.

6) $0.4, \frac{1}{5}, \frac{1}{2}, 0.3, \frac{1}{4}$ Using benchmarks on a number line, what is the order of the given numbers from smallest to greatest?

- (A) $\frac{1}{2}, 0.3, \frac{1}{5}, 0.4, \frac{1}{4}$
- (B) $\frac{1}{4}, 0.3, 0.4, \frac{1}{5}, \frac{1}{2}$
- (C) $\frac{1}{5}, \frac{1}{4}, 0.3, 0.4, \frac{1}{2}$
- (D) $0.3, 0.4, \frac{1}{5}, \frac{1}{4}, \frac{1}{2}$

7) A music store is having a sale on CDs: the first one costs \$19, and every CD after that costs \$9 each. How much would a purchase of 12 CDs cost?

- (A) \$ 108
- (B) \$ 109
- (C) \$ 118
- (D) \$ 127

8) A box that is in the shape of a cube has side lengths of 35 cm. The total surface area of the box is

- (A) 1225 cm^2
- (B) 2450 cm^2
- (C) 2675 cm^2
- (D) 7350 cm^2

9)



The given triangle is classified as

- (A) a right triangle
- (B) an acute triangle
- (C) an obtuse triangle
- (D) an equilateral triangle

10) In triangle ABC, line AD connects vertex A to point D on line BC such that angle ADC equals 90° . In the given triangle, if line BD equals line DC, then line AD

- (A) bisects angle B
- (B) bisects angle C
- (C) is a perpendicular bisector of line BC
- (D) is a perpendicular bisector of line DC

Question	Answer
1	C
2	A
3	D
4	A
5	10
6	C
7	C
8	D
9	C
10	C