



Level D

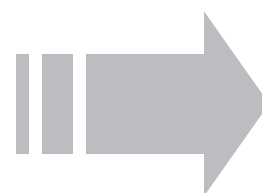
Math

GOALS 2

Sample Items

2023





Turn the page.

DIRECTIONS

1. Mark your answers on the answer sheet. Use a number 2 pencil only.
 2. Please do **not** write in the test booklet.
 3. Try to answer every question. Choose the **one** best answer. If you want to change an answer, be sure to erase the first mark completely.
 4. You may use a calculator and scratch paper.
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Practice 1

Carl is writing a paper for school. He wrote 10 pages in 4 days.

What is Carl's average rate of writing per day?

- A. 2.5 pages per day
- B. 3.5 pages per day
- C. 4 pages per day
- D. 10 pages per day

Practice 2

Karina's son is celebrating his birthday. He is inviting 4 friends to the movies. The movie tickets for the 5 children cost \$55. The snacks cost \$25.



5 Movie Tickets: \$55 total

5 Movie Snacks: \$25 total

How much is the total cost of a movie ticket and snack for each child?

- A. \$5 per child
- B. \$11 per child
- C. \$16 per child
- D. \$25 per child





Turn the page to begin the test.



1. What percent is the sale price discount?

- A. 40% off
- B. 60% off
- C. 66% off
- D. 75% off

Jeremy needs a taxi. His trip is 13 miles.

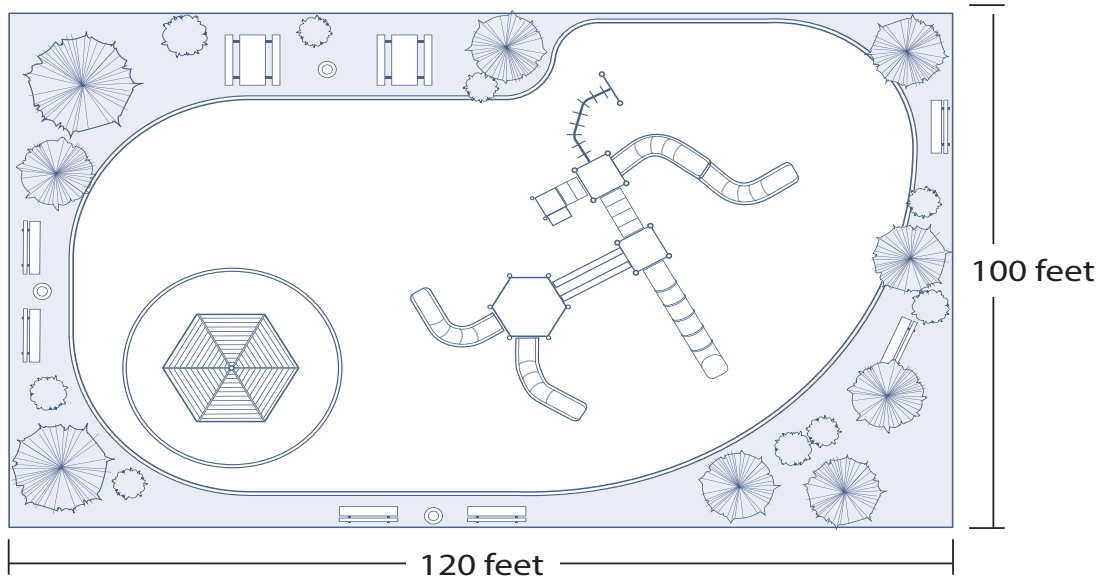
Taxi Company	Initial Fee	Per-mile Cost
Company A	\$5	\$3.50
Company B	\$8	\$2.50
Company C	\$3	\$5.50
Company D	\$10	\$4.50

2. What taxi company is the *most* expensive for Jeremy's trip?

- A. Company A
- B. Company B
- C. Company C
- D. Company D

A new playground is being built. The playground will be a rectangle with dimensions of 100 feet by 120 feet. The playground designer is creating a scale drawing.

The scale of the drawing of the playground will be $\frac{1}{4}$ inch (in.) for every foot.



Scale: $\frac{1}{4}$ inch = 1 foot

3. What will the dimensions of the playground scale drawing be?

- A. 10 in. \times 12 in.
- B. 25 in. \times 30 in.
- C. 100 in. \times 120 in.
- D. 400 in. \times 480 in.

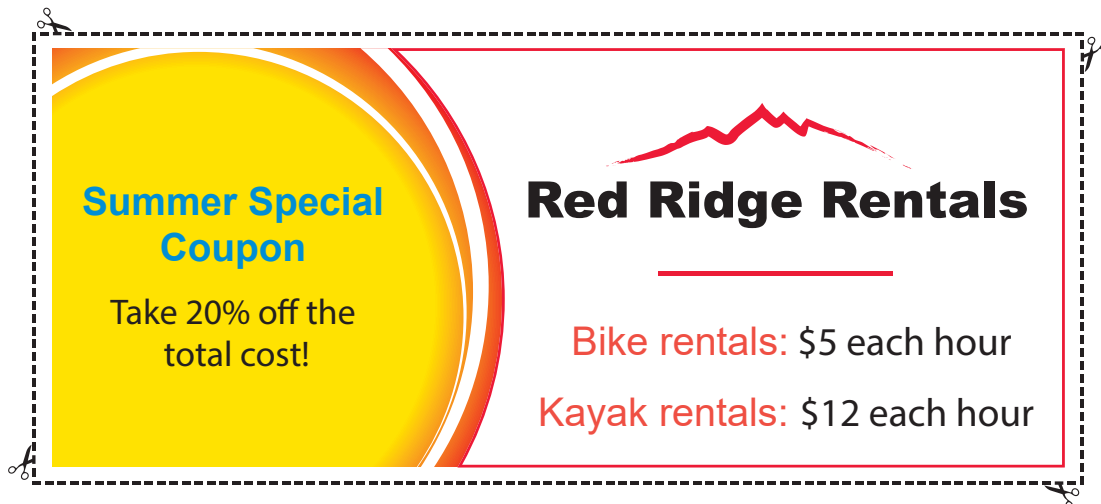
Amy sells bread at her bakery.

Bread	Price
Wheat	\$3.99
Sourdough	\$4.99
White	\$4.19
Rye	\$4.19

4. What is the mean price of bread at the bakery?

- A. \$4.19
- B. \$4.25
- C. \$4.34
- D. \$4.49

Ricky wants to go biking and kayaking with his wife and 2 children. He will rent bikes for the entire family for 1 hour each. He will also rent kayaks for each person for 2 hours. He has a coupon for the rentals.



5. How much will Ricky pay in total?

- A. \$76.80
- B. \$92.80
- C. \$96.00
- D. \$116.00

The community pool had an event to raise money. The price to go in the pool was \$6 for adults and \$2 for students. 220 people went in the pool. The event raised \$720.

6. How many adults went in the pool?

- A. 50
- B. 70
- C. 120
- D. 150

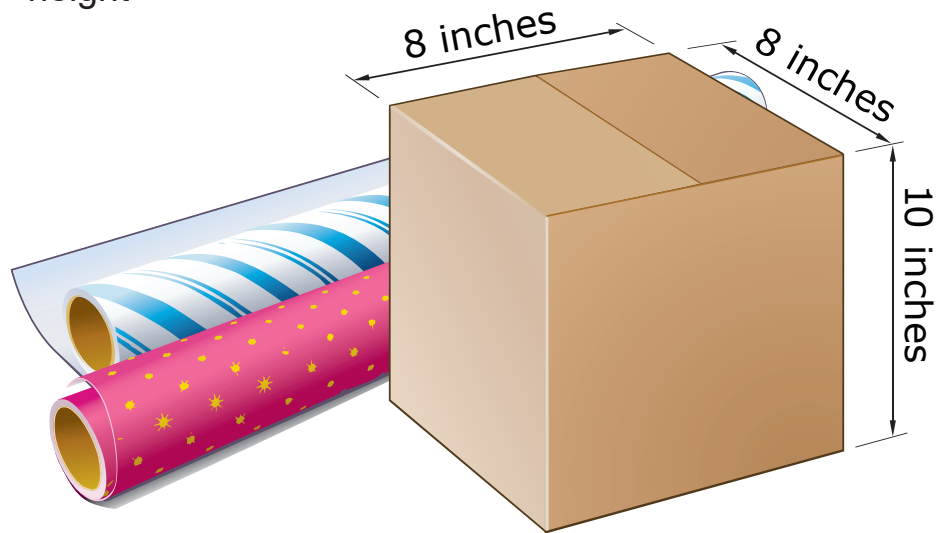
Amar bought gifts for his 3 nieces and 1 nephew. He put each gift in the same size box.

Surface Area Rectangle Prism = $2(wl + hl + hw)$

w = width

l = length

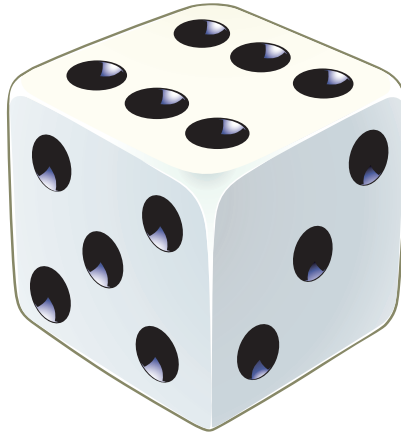
h = height



7. Approximately how much wrapping paper does Amar need to wrap all 4 gifts?

- A. 1,536 square inches
- B. 1,792 square inches
- C. 2,080 square inches
- D. 2,560 square inches

Josh rolls a six-sided die. The first time he rolls the die, he gets a 6.



8. What is the approximate probability Josh will get a 5 or higher on his second roll?

- A. $\frac{1}{6}$
- B. $\frac{1}{3}$
- C. $\frac{2}{3}$
- D. $\frac{5}{6}$

CASAS Math GOALS 2 Sample Test Items for Instructional Use

CASAS Math GOALS 2 – Sample Test Items

Answer Keys

Level D

Practice 1. A

Practice 2. C

1. B

2. C

3. B

4. C

5. B

6. B

7. B

8. B