GOALS 2
CASAS

Level D

Math

GOALS 2

Sample Items

2023

CASAS

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.

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.
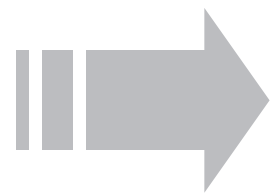

5 Movie Tickets: $55 total

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.

Original Price: $125
Sale Price: $50

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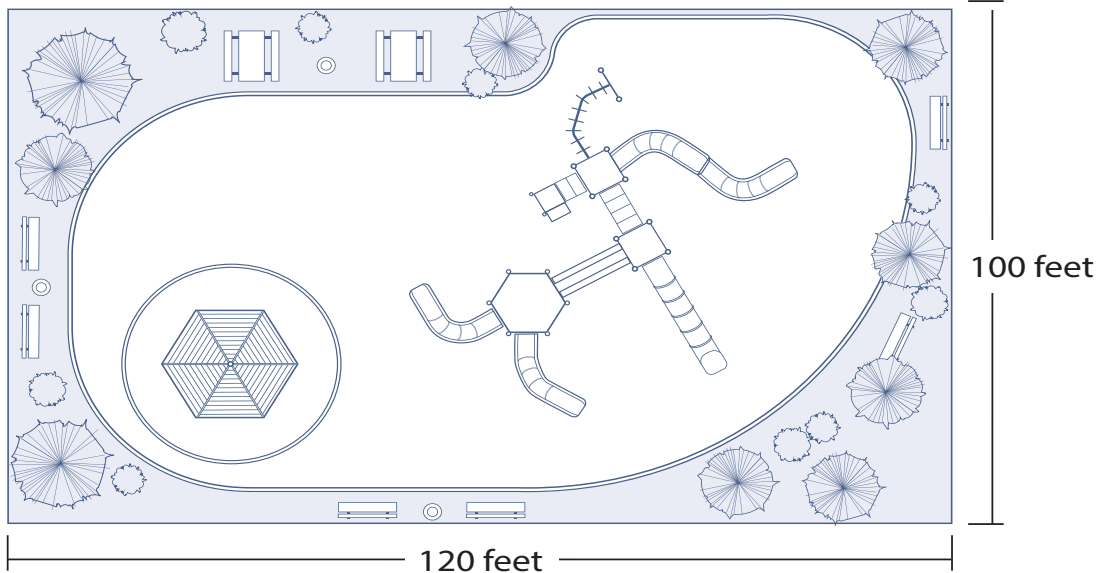
Taxi Company	Initial Fee	Per-mile Cost
Company A	$5	$3.50
Company B	$8	$2.50
Company C	$3	$5.50
Company D	$10	$4.50

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.

100 feet

120 feet

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

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

A. 10 in. × 12 in.

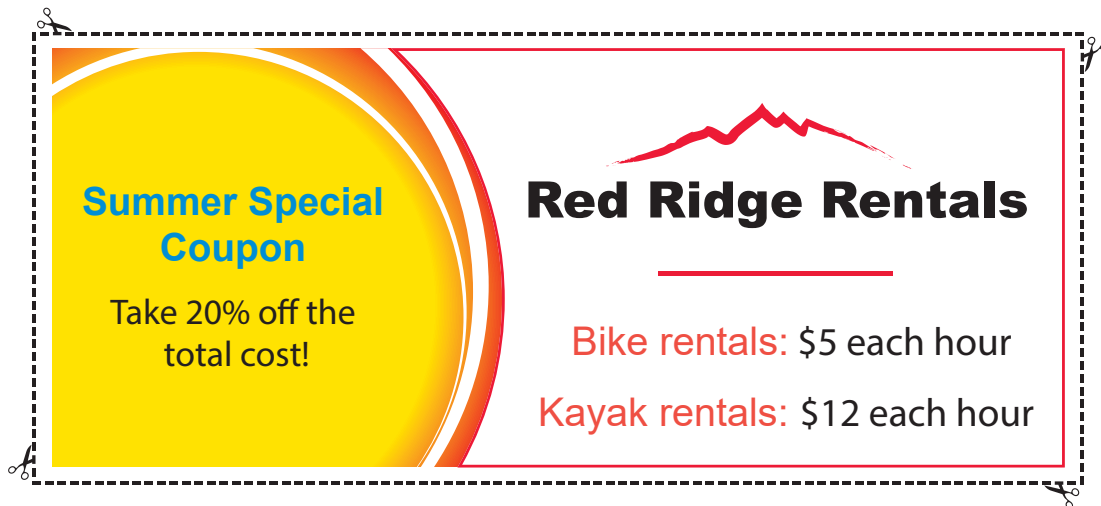B. 25 in. × 30 in.

C. 100 in. × 120 in.

D. 400 in. × 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.

Summer Special Coupon

Take 20% off the total cost!

Red Ridge Rentals

Bike rentals: $5 each hour

Kayak rentals: $12 each hour

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?
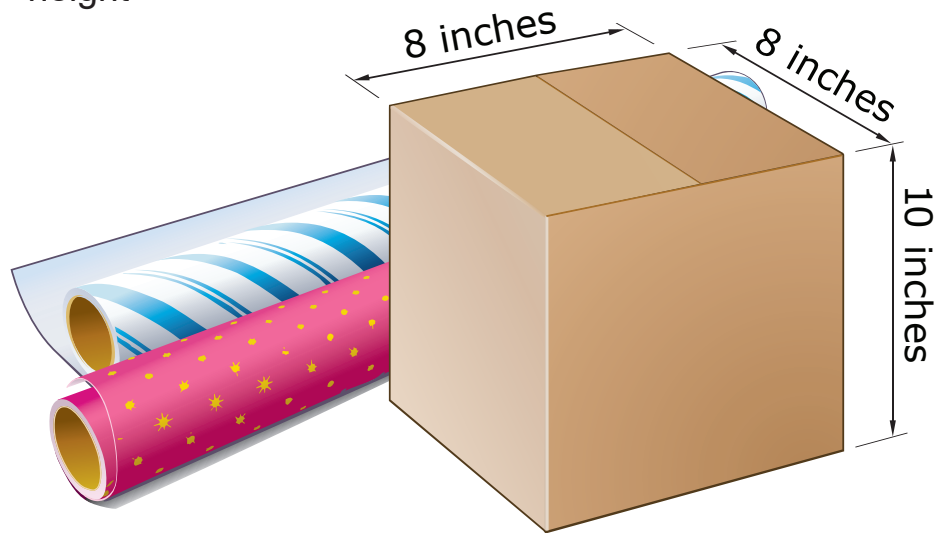
    A. 50

    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.

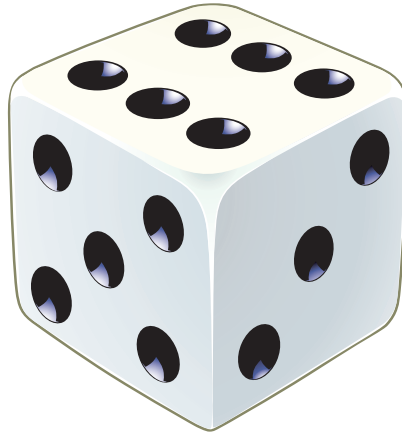Surface Area Rectangle Prism $= 2(wl + hl + hw)$
w = width
l = length
h = height

8 inches

8 inches

10 inches

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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

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