

Q1: Round each addend to the nearest hundred to find the estimated sum. Then, find the actual sum.

$$632 + 175 = \underline{\hspace{2cm}}$$

Estimated sum:

$$\boxed{\hspace{2cm}} + \boxed{\hspace{2cm}} = \boxed{\hspace{2cm}}$$

Actual sum:

$$632 + 175 = \boxed{\hspace{2cm}}$$

Q2: A rectangle has a length of 8 inches and a width of 3 inches. Which of the following can be used to find the same area in square inches? Select the three correct answers.

A $(3 \times 2) \times 4$

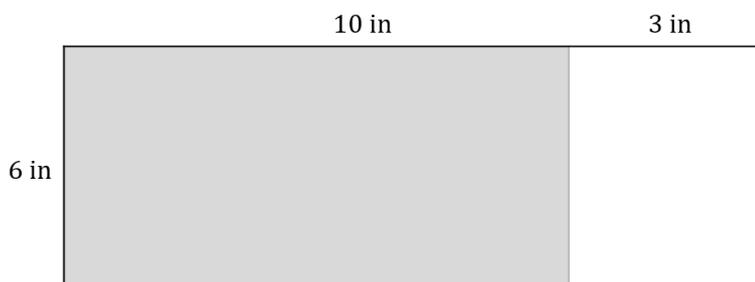
B $8 \times (2 \times 1)$

C $(2 \times 6) \times 3$

D $(6 \times 1) \times 4$

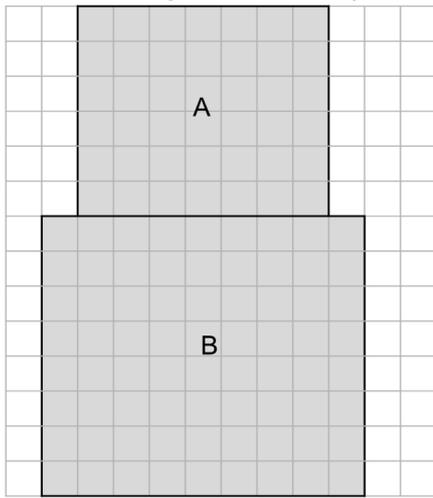
E $(4 \times 3) \times 2$

Q3: The nameplate on Tonya's desk is 6 inches by 13 inches. What is the area of Tonya's nameplate? Use the break apart and distribute strategy to solve. Use paper to show your work. Enter your answer in the box.



Area: square inches

Q4: The shaded figure is made up of two rectangles.



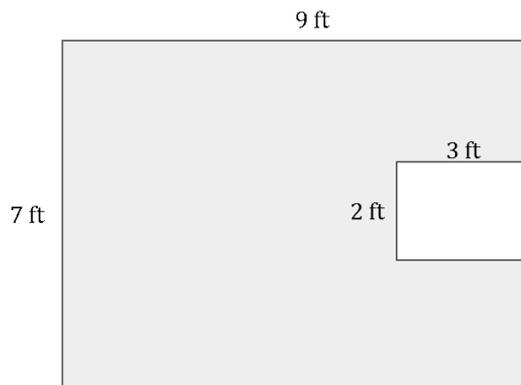
Each  represents 1 square unit.

The area of rectangle A is square units.

The area of rectangle B is square units.

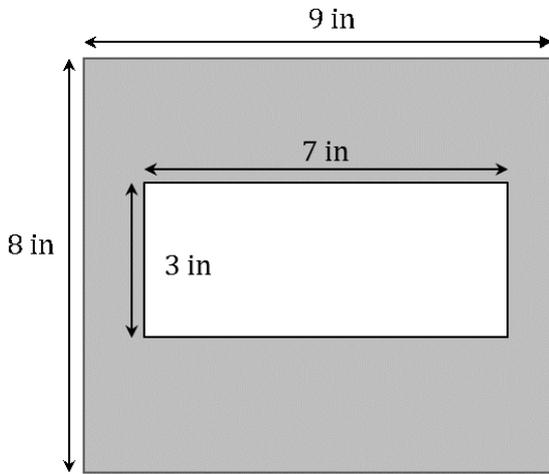
The total area of the shaded figure is square units.

Q5: The figure shows a small basketball court. The shaded part represents the playing surface, and the unshaded part represents the base of the basketball hoop. What is the area of the playing surface? Use paper to show your work. Enter your answer in the box.



The area of the playing surface is square feet.

Q6: What is the area of the shaded figure shown? Use paper to show your work. Enter your answer in the box.



The area of the shaded figure is square inches.

Q7: Paul is taking a three-day road trip to visit a friend. On Monday, he drives 474 kilometers, Tuesday he drives 259 kilometers, and Wednesday he drives 379 kilometers. Use paper to show your work. Enter your answers in the boxes.

Part A

What is the estimated total distance Paul drives? Round each distance to the nearest ten kilometers to estimate.

Paul drives about kilometers.

Part B

What is the actual total distance Paul drives?

Paul drives kilometers.

Part C

What is the actual difference between the distance Paul drives on Monday and the distance he drives on Wednesday?

The difference is kilometers.

Q8: Rachel and Mike have carrots for a snack. Together their carrots weigh 261 grams. Mike's carrots weigh 127 grams.

Round to the nearest 10 grams to estimate the weight of Rachel's carrots. Then, find the actual weight.

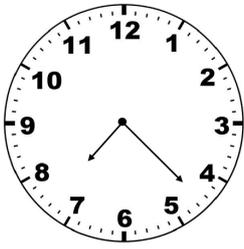
The estimated weight of Rachel's carrots is grams.

The actual weight of Rachel's carrots is grams.

Q9: There were 1,546 people at the zoo on Tuesday. Round the number of people to the nearest hundred. Use paper to draw a vertical number line to model your thinking. Enter your answer in the box.

There were about people at the zoo on Tuesday.

Q10: This clock shows what time Hannah leaves for the bus.



Round the time Hannah leaves to the nearest ten minutes. Select the correct answer.

- A** 7:20 a.m.
 - B** 7:25 a.m.
 - C** 7:30 a.m.
 - D** 4:40 a.m.
-

Q11: The shape shown represents 1 whole.



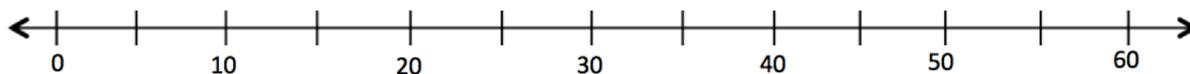
What fraction of the shape is shaded?

- A** $\frac{1}{8}$
 - B** $\frac{3}{8}$
 - C** $\frac{3}{5}$
 - D** $\frac{3}{6}$
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Q12: Susan read for 56 minutes in the morning. At night, she spent 25 minutes reading.

How many more minutes did Susan read in the morning than at night?

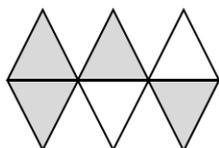
On paper, do the following: Draw the number line. Then, model the problem on the number line, and then write an equation to solve.



Susan spent more minutes reading in the morning.

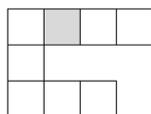
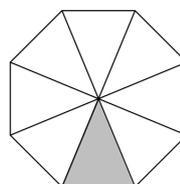
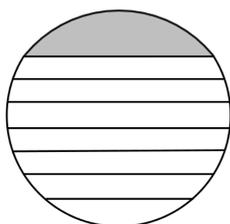
Q13: The figure shown represents 1 whole. What fraction of the figure is not shaded?

Enter your answer in fraction form.

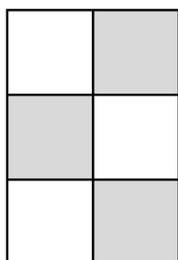


of the figure is not shaded.

Q14: a. On paper, draw only the models that correctly show 1 eighth shaded.



b. Use the model to complete the statements.



There are equal parts in all. parts are shaded.

