Tennessee Comprehensive Assessment Program

TCAP

Math
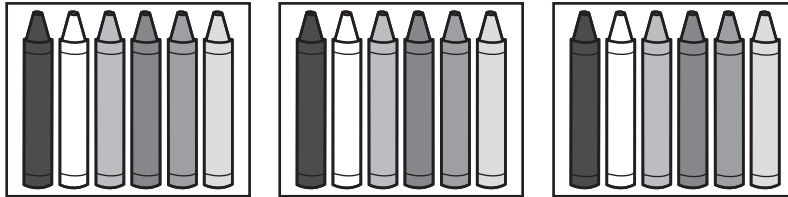## Grade 3 Item Release

Spring 2023

TN Department of Education

*Standards implemented from 2023-24 Tennessee Academic Standards for Math

00 Some groups of crayons are shown.

Which expression represents the total number of crayons?

- Ⓐ 1×3
- Ⓑ 3×3
- Ⓒ 3×6
- Ⓓ 6×6

00 Which number rounds to 600 when rounded to the nearest **hundred**?

Ⓐ 547

Ⓑ 589

Ⓒ 654

Ⓓ 680

00 What is the value of 4×50?

Enter your answer in the space provided.

00 The circle shown is divided into equal sections.
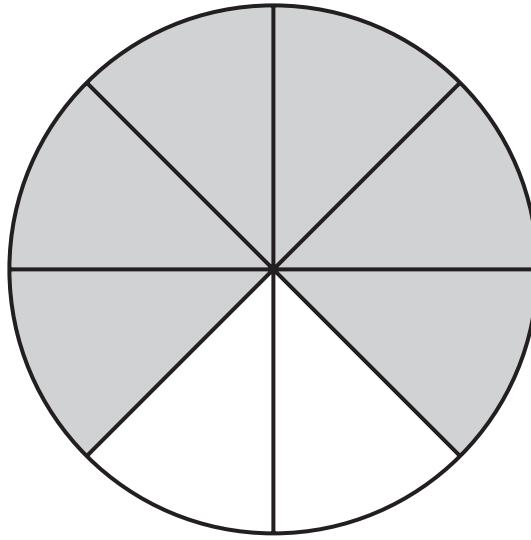
Which sentence about the fraction of the circle that is shaded is true?

Ⓐ Each shaded section represents $\frac{1}{6}$ of the circle, so $\frac{6}{6}$ of the circle is shaded.

Ⓑ Each shaded section represents $\frac{1}{8}$ of the circle, so $\frac{6}{8}$ of the circle is shaded.

Ⓒ Each shaded section represents $\frac{6}{1}$ of the circle, so $\frac{6}{6}$ of the circle is shaded.

Ⓓ Each shaded section represents $\frac{8}{1}$ of the circle, so $\frac{8}{6}$ of the circle is shaded.

00 A fraction in this number sentence is incomplete.

$$\frac{2}{3} < \frac{2}{\square}$$

What whole number could be put into the box to make the number sentence **true**?

Enter your answer in the space provided.

00 Some children are playing with toy cars.

- There are 4 packages of cars.
- There are 6 cars in each package.
- There are 3 children.

The children share all of the cars so that each child has the same number of cars.

How many toy cars does each child have?
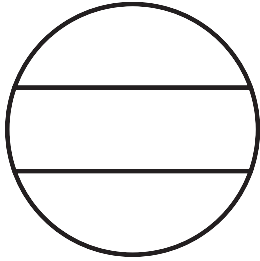
Enter your answer in the space provided.

00 Which shape has exactly three equal-sized parts?

Ⓐ

Ⓑ

Ⓒ

Ⓓ

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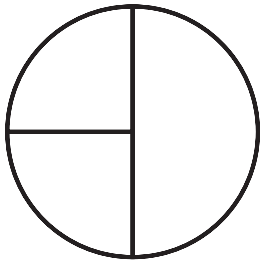
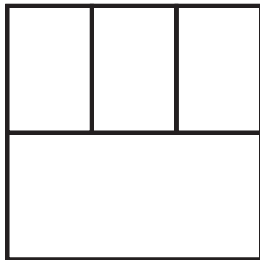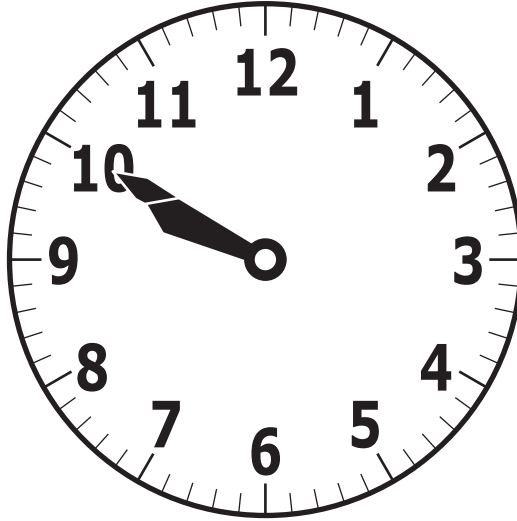**00** A group of students and their teacher rode a bus for 25 minutes to get to a museum. They arrived at the museum at the time shown on the clock.

At what time did the bus ride begin?

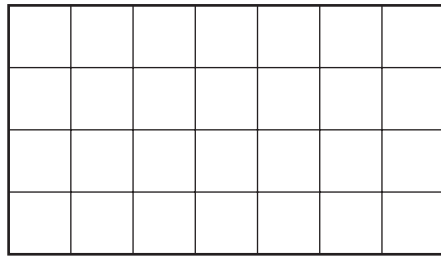- Ⓐ 9:25
- Ⓑ 9:30
- Ⓒ 10:10
- Ⓓ 10:15

00 Randi completely covered her desktop with 208 square tiles. All the tiles are the same size and do not overlap.

Which measurement is represented by the 208 tiles?

Ⓐ the area of Randi's desktop

Ⓑ the width of Randi's desktop

Ⓒ the length of Randi's desktop

Ⓓ the perimeter of Randi's desktop

00 The diagram shown represents the tile floor in Maria's kitchen.

= 1 square foot

What is the area, in square feet, of the floor?

- Ⓐ 11
- Ⓑ 21
- Ⓒ 22
- Ⓓ 28

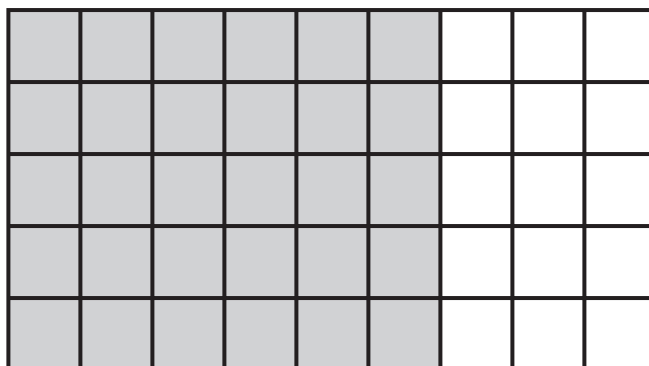**00** Mr. James built a small deck that has a length of 9 feet and a width of 8 feet.

What is the area, in square feet, of the deck?

Enter your answer in the space provided.

00 The figure shown represents Jamie's patio. The shaded part of the figure is the part of the patio that is covered by a roof.

Each square in the figure represents an area of 1 square foot.
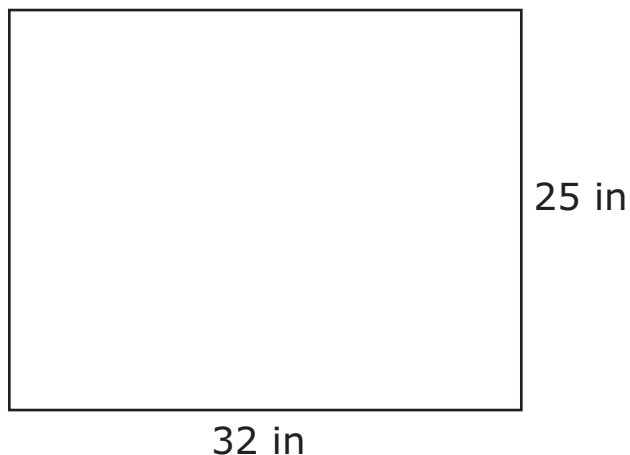
Which expression represents the total area of the patio, in square feet?

Ⓐ $5 \times 6 \times 3$

Ⓑ $5 + 6 + 3$

Ⓒ $(5 \times 6) + (5 \times 3)$

Ⓓ $(5 + 6 + 3) + (5 + 6 + 3)$

00 The figure shows the width and length of a rectangular-shaped object.

25 in

32 in

What is the perimeter of the rectangular-shaped object in inches? Enter your answer in the space provided.

Metadata- Math

Items

Page Number	UIN	Grade	Item Type	Key	DOK	TN Standards	Calculator
1	TN172304	3	MC	C	1	3.OA.A.1	Y
2	T3M03S009	3	MC	B	1	3.NBT.A.1	N
3	TN232725	3	FIB	200	1	3.NBT.A.3	N
4	T3M03S112	3	MC	B	2	3.NF.A.1	Y
5	TN174841	3	FIB	1 or 2	2	3.NF.A.3d	N
6	TN0025640	3	FIB	8	3	3.OA.D.8	Y
7	TN0025649	3	MC	D	1	3.G.A.2	N
8	T3M03S114	3	MC	A	2	3.MD.A.1.a	Y
9	T3M03S117	3	MC	A	2	3.MD.C.5b	Y
10	T3M03S237	3	MC	D	2	3.MD.C.6	N
11	TN332468	3	FIB	72	1	3.MD.C.7b	Y
12	T3M03S119	3	MC	C	2	3.MD.C.7c	Y
13	TN786956	3	FIB	114	1	3.MD.D.8	N

Metadata Definitions:

UIN	Unique letter/number code used to identify the item.
Grade	Grade level or Course.
Item Type	Indicates the type of item. MC= Multiple Choice; MS= Multiple Select; FIB = Fill-in-the-blank
Key	Correct answer.
DOK	Depth of Knowledge (cognitive complexity) is measured on a three-point scale. 1 = Recall or simple reproduction of information; 2 = Skills and concepts: comprehension and processing of text; 3 = Strategic thinking, prediction, elaboration.
TN Standards	Primary educational standard assessed.
Calculator	Y for items that permit calculator use.

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