Tennessee Comprehensive Assessment Program

TCAP

Math
Grade 3 Item Release

TN Department of Education

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Metadata- Math

Items

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5	TN0025589	03	MC	C	2	3.NBT.A.3	Y
6	TN0025595	03	MC	D	1	3.OA.A.2	Y
7	TN0025627	03	MS	B,E	2	3.OA.C.7	N
8	TN0025641	03	MC	A	2	3.OA.D.8	Y
9	TN0025657	03	MC	C	2	3.MD.A.1	N
10	TN0032364	03	MC	C	1	3.OA.B.5	N
11	TN0073233	03	MC	C	2	3.MD.D.8	Y
12	TN0073234	03	MC	B	1	3.G.A.1	Y
13	TN0073252	03	MS	B	2	3.MD.B.4	Y
14	TN174821	03	MC	B	1	3.MD.C.5b	N
15	TN174887	03	MC	A	1	3.NF.A.2a	N
16	TN174894	03	MS	B,E	2	3.NF.A.3a	Y
17	TN332870	03	MC	B	2	3.MD.C.7d	Y
18	TN832587	03	MS	A,C,D	1	3.NBT.A.1	Y

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
Key	Correct answer. This may be blank for constructed response items where students write or type their responses.
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.

TN0002781_4

00 Here is a number pattern.

3, 9, 15, 21, …

Which expression could be used to find the next number in the pattern?

Ⓐ 3×5

Ⓑ 3×8

Ⓒ $21 + 3$

Ⓓ $21 + 6$

TN0025589_3

00 Maxine buys 5 packages of pins. There are 50 pins in each package.

What is the total number of pins Maxine buys?

Ⓐ 10

Ⓑ 55

Ⓒ 250

Ⓓ 550

TN0025595_4

00 A total of 10 children are on 2 teams. An equal number of children are on each team.

Which expression could be used to find the number of children on each team?

Ⓐ $10 - 2$

Ⓑ $10 + 2$

Ⓒ 10×2

Ⓓ $10 \div 2$

TN0025627_2,5

00 Which quotients are equal to 4? Choose the **two** correct answers.

Ⓐ $45 \div 9$

Ⓑ $32 \div 8$

Ⓒ $28 \div 4$

Ⓓ $24 \div 3$

Ⓔ $16 \div 4$

TN0025641_1

00

Joan bought a total of 52 plants for her garden. She bought 9 boxes with 4 plants in each box. Joan also bought some single plants.

Which equation can be used to find the number of single plants, n, that Joan bought?

Ⓐ $52 = 36 + n$

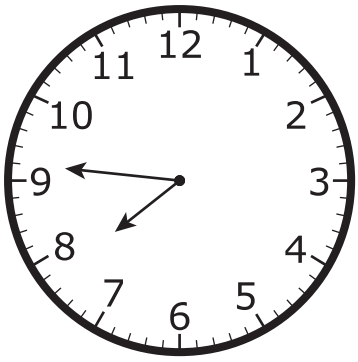
Ⓑ $52 + 36 = n$

Ⓒ $52 = 36 \times n$

Ⓓ $52 - 13 = n$

TN0025657_3

00 Here is a clock.



What time is shown on the clock?

Ⓐ 7:09

Ⓑ 7:44

Ⓒ 7:46

Ⓓ 8:46

TN0032364_3

00 Which of these shows another way to find the value of $4 \times (8 + 1)$?

Ⓐ $4 \times 8 \times 1$

Ⓑ $4 \times 8 \times 9$

Ⓒ $(4 \times 8) + (4 \times 1)$

Ⓓ $(4 \times 8) + (4 \times 9)$

TN0073233_3

00 A hexagon has these side lengths.

- 2 sides that are each 4 inches long
- 4 sides that are each 2 inches long

What is the perimeter in inches of the hexagon?

Ⓐ 6

Ⓑ 12

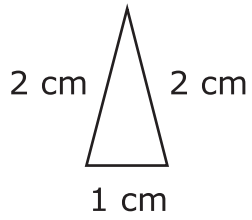
Ⓒ 16

Ⓓ 24

TN0073234_2

00 Which shape is a rhombus?

Ⓐ



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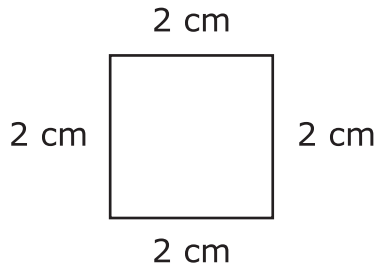

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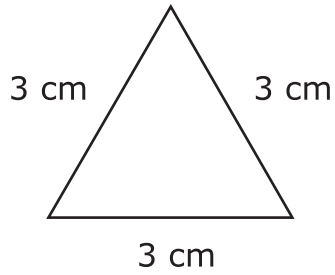

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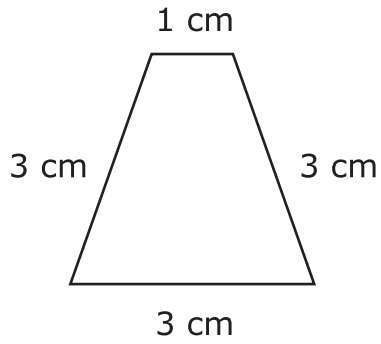


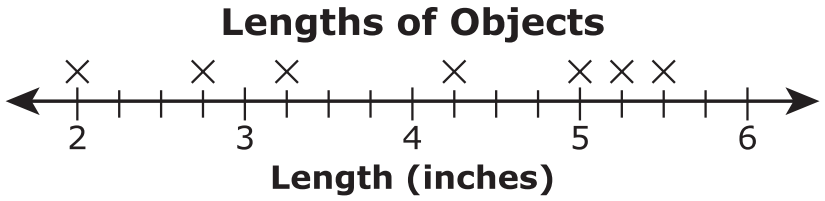
TN0073252_2

00 Janice measures the lengths of 8 objects on her desk to the nearest quarter inch (in.). Here are the lengths.

$2\frac{3}{4}$ in.	$5\frac{1}{2}$ in.	$5\frac{1}{2}$ in.	2 in.	5 in.	$5\frac{1}{4}$ in.	$3\frac{1}{4}$ in.	$4\frac{1}{4}$ in.

Which line plot represents all of the information listed?

Ⓐ



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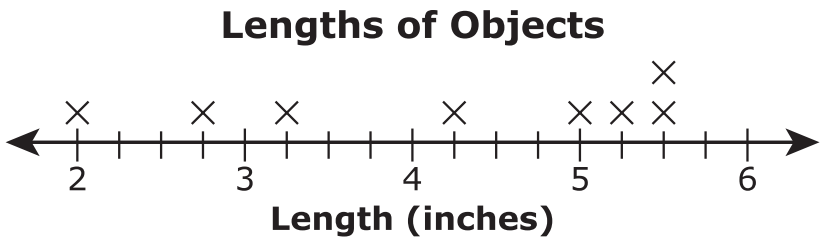

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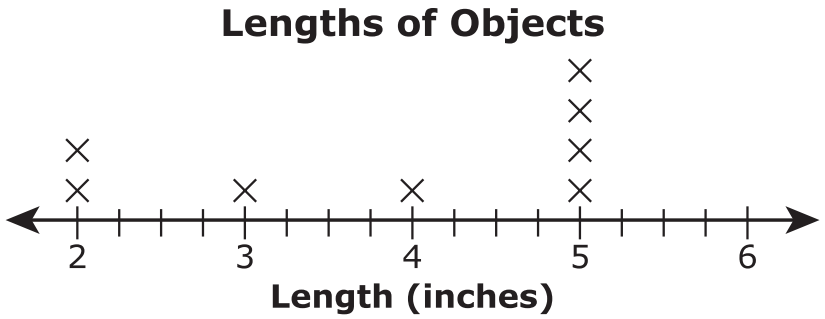

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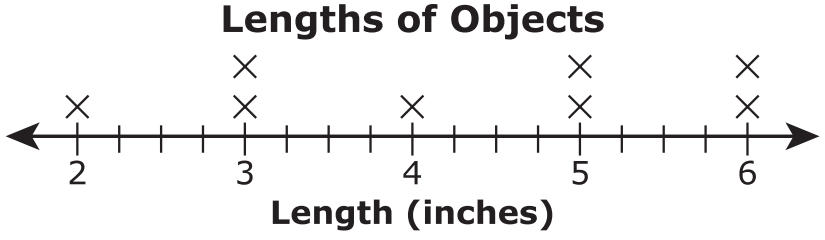


TN174821_2

00 Desmond made a rectangle using 17 tiles. Each tile is a unit square.

What is the area, in square units, of the rectangle?

Ⓐ 16

Ⓑ 17

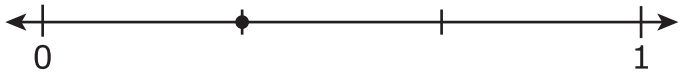
Ⓒ 32

Ⓓ 34

TN174887_1

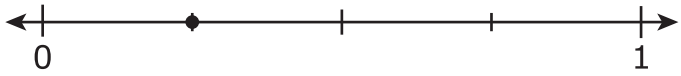
00 Which number line has a point that shows $\frac{1}{3}$?

Ⓐ

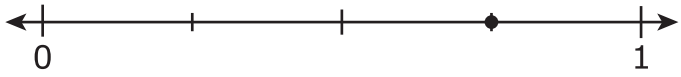


Ⓑ

Ⓒ



Ⓓ



TN174894_2,5

00 A point is shown on this number line.

Which fractions does the point represent?

Choose the **two** correct answers.

Ⓐ $\frac{1}{4}$

Ⓑ $\frac{2}{4}$

Ⓒ $\frac{2}{3}$

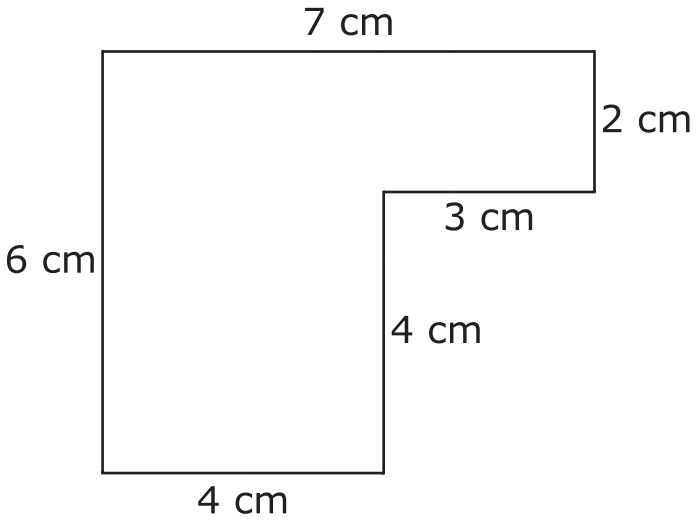
Ⓓ $\frac{4}{6}$

Ⓔ $\frac{4}{8}$

Ⓕ $\frac{5}{8}$

TN332870_2

00 This shape is made of rectangles. The sides of the shape are measured in centimeters (cm).



What is the area, in square centimeters, of the shape?

Ⓐ 26

Ⓑ 30

Ⓒ 38

Ⓓ 42

TN832587_1,3,4

00 Which numbers round to 200 when rounded to the nearest hundred?

Choose the **three** correct answers.

Ⓐ 215

Ⓑ 146

Ⓒ 243

Ⓓ 151

Ⓔ 278

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