

Tennessee TCAP 2021
Grade 3 Math

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Tennessee Comprehensive Assessment Program

TCAP

Math Grade 3 Item Release



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Here is a number pattern.

3, 9, 15, 21, ...

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

- ☐ A 3×5
- ☐ B 3×8
- ☐ C $21 + 3$
- ☐ D $21 + 6$

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

What is the total number of pins Maxine buys?

- ☐ A 10
- ☐ B 55
- ☐ C 250
- ☐ D 550

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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
- Ⓓ $10 \div 2$

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

☐ A $45 \div 9$

☐ B $32 \div 8$

☐ C $28 \div 4$

☐ D $24 \div 3$

☐ E $16 \div 4$

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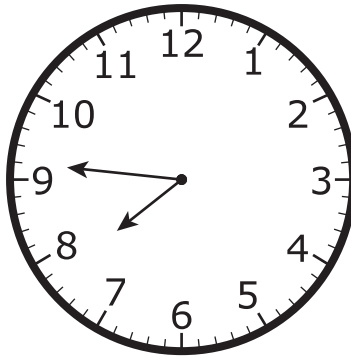
Joan bought a total of 52 plants for her garden. She bought 9 boxes with 4 plants in each box. Joan also bought some single plants.

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

- Ⓐ $52 = 36 + n$
- Ⓑ $52 + 36 = n$
- Ⓒ $52 = 36 \times n$
- Ⓓ $52 - 13 = n$

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Here is a clock.



What time is shown on the clock?

- (A) 7:09
- (B) 7:44
- (C) 7:46
- (D) 8:46

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

- ☐ A $4 \times 8 \times 1$
- ☐ B $4 \times 8 \times 9$
- ☐ C $(4 \times 8) + (4 \times 1)$
- ☐ D $(4 \times 8) + (4 \times 9)$

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A hexagon has these side lengths.

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

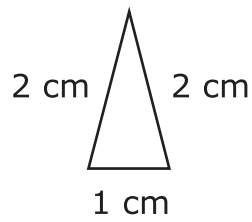
What is the perimeter in inches of the hexagon?

- Ⓐ 6
- Ⓑ 12
- Ⓒ 16
- Ⓓ 24

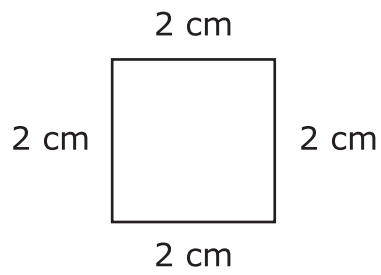
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Which shape is a rhombus?

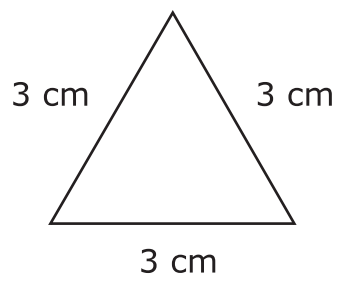
Ⓐ



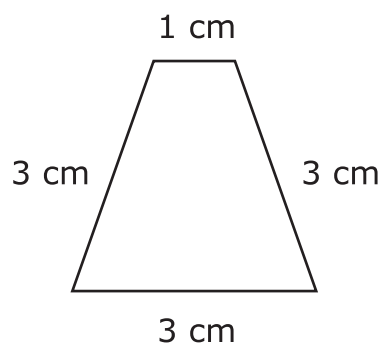
Ⓑ



Ⓒ



Ⓓ



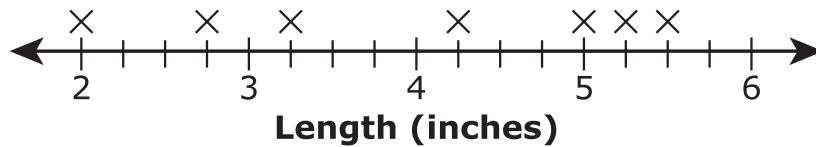
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Janice measures the lengths of 8 objects on her desk to the nearest quarter inch (in.). Here are the lengths.

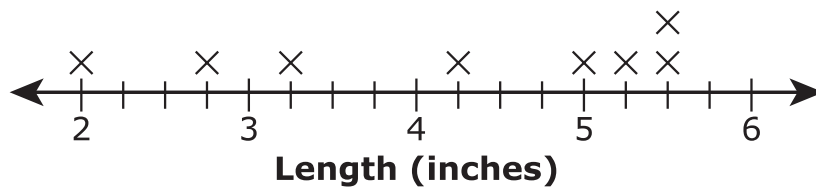
$2\frac{3}{4}$ in.	$5\frac{1}{2}$ in.	$5\frac{1}{2}$ in.	2 in.	5 in.	$5\frac{1}{4}$ in.	$3\frac{1}{4}$ in.	$4\frac{1}{4}$ in.
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Which line plot represents all of the information listed?

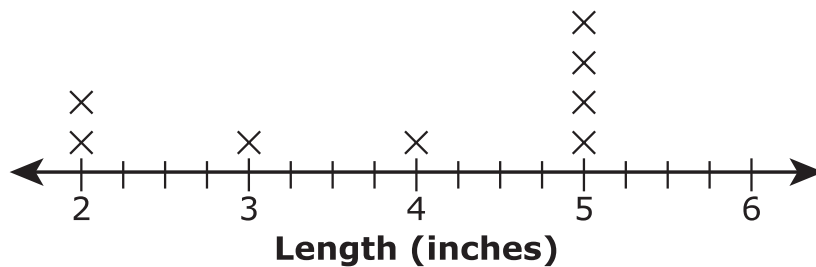
(A)

Lengths of Objects

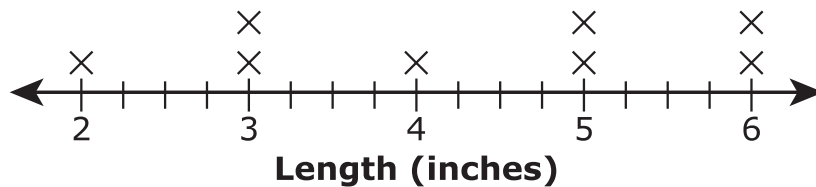
(B)

Lengths of Objects

(C)

Lengths of Objects

(D)

Lengths of Objects

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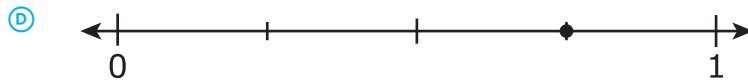
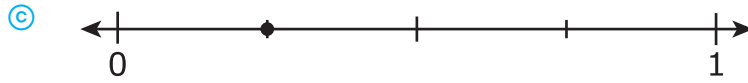
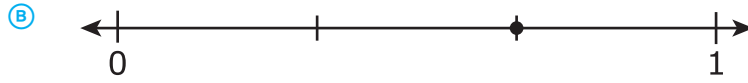
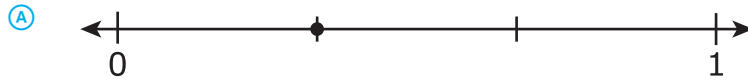
Desmond made a rectangle using 17 tiles. Each tile is a unit square.

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

- ☐ A 16
- ☐ B 17
- ☐ C 32
- ☐ D 34

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



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A point is shown on this number line.



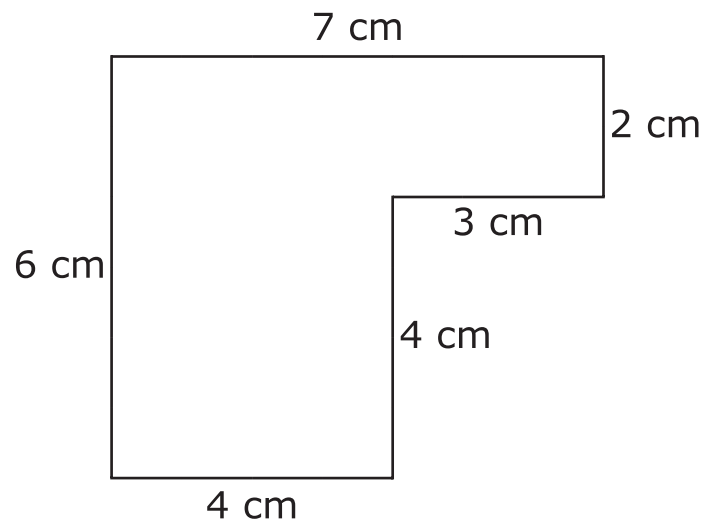
Which fractions does the point represent?

Choose the **two** correct answers.

- (A) $\frac{1}{4}$
- (B) $\frac{2}{4}$
- (C) $\frac{2}{3}$
- (D) $\frac{4}{6}$
- (E) $\frac{4}{8}$
- (F) $\frac{5}{8}$

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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?

- (A) 26
- (B) 30
- (C) 38
- (D) 42

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

Choose the **three** correct answers.

- ☐ A 215
- ☐ B 146
- ☐ C 243
- ☐ D 151
- ☐ E 278

Metadata- Math

Items

Page Number	UIN	Grade	Item Type	Key	DOK	TN Standards	Calculator
4	TN0002781	03	MC	D	2	3.OA.D.9	Y
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.