IM K–12 California

GRADE 4

Teacher Resource Copy Masters

UNITS 5-6

Illustrative Mathematics LEARN MATH FOR LIFE | Kendall Hunt

Book 3

Certified by Illustrative Mathematics®

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GRADE 4

UNIT

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LESSON BLACKLINE MASTERS

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address	title	students per copy	written on?	requires cutting?	card stock recommended?	color paper recommended?	used multiple times?	used as a center material?
Activity Grade4.5.1.3	Times as Many Recording Mat	1	yes	no	no	no	no	no
Activity Grade4.5.7.1	Centimeter Grid Paper - Standard	2	yes	no	no	no	no	yes
Activity Grade4.5.8.1	How Long Is 1 Kilometer Handout (groups of 4)	4	no	yes	no	no	no	no
Activity Grade4.5.11.1	Pounds and Ounces Image Cards	4	no	yes	no	no	no	no
Activity Grade4.5.13.2	Info Gap Noah's School Day Part 2 Cards	2	no	yes	no	no	no	no
Activity Grade4.5.17.2	Unknown Measurements Small Cards (groups of 4)	4	no	yes	no	no	no	no
Activity Grade4.5.17.2	Unknown Measurements Large Cards (groups of 12)	12	no	yes	no	no	no	no

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address	title	students per copy	written on?	requires cutting?	card stock recommended?	color paper recommended?	used multiple times?	used as a center material?
Activity Grade4.5.18.1	Facts about Animals Cards (groups of 2)	2	no	yes	no	no	no	no

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number of cubes used to start	number rolled (times as many)	times as many representation
3	2	

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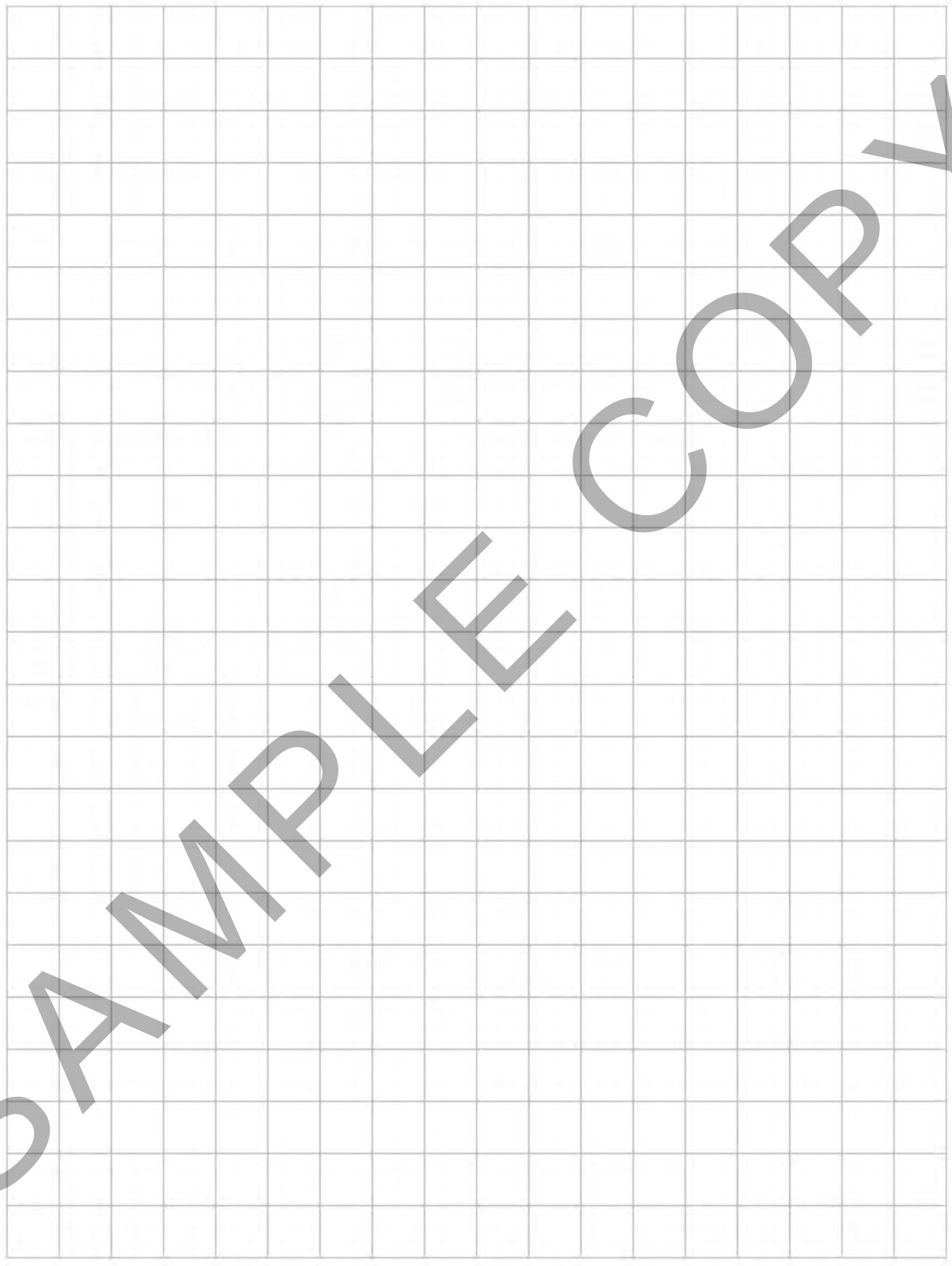

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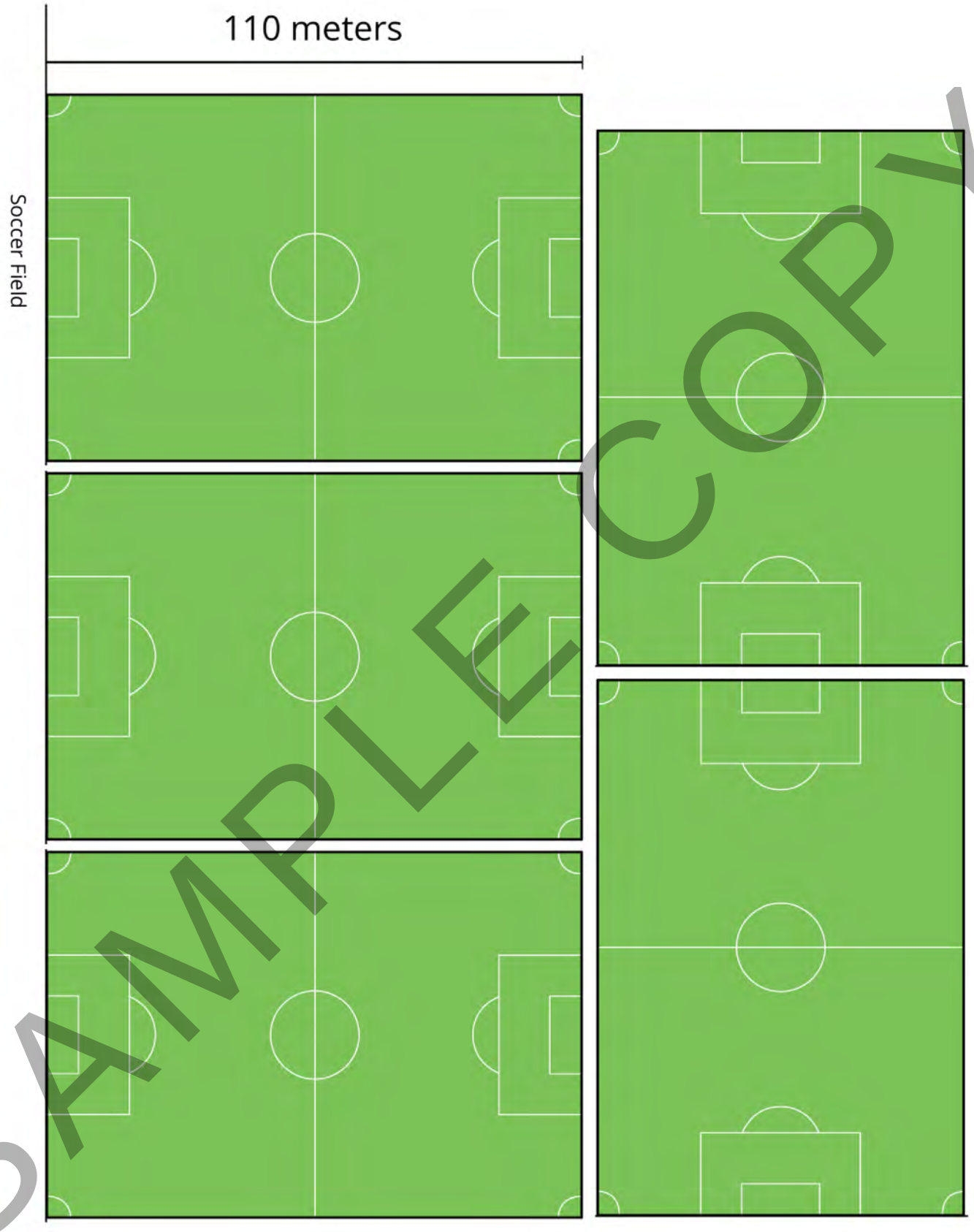

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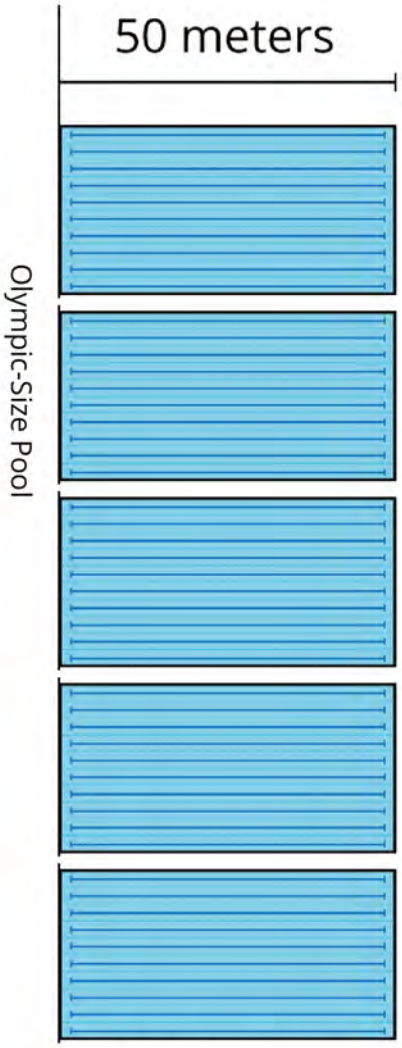
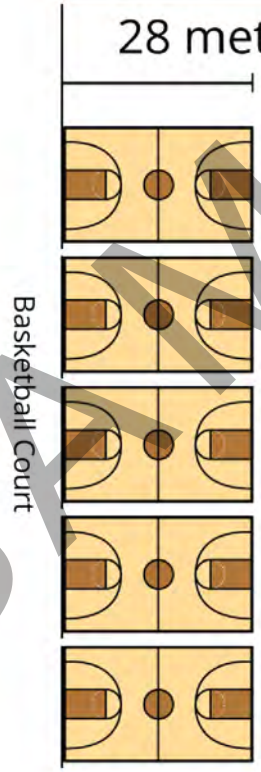
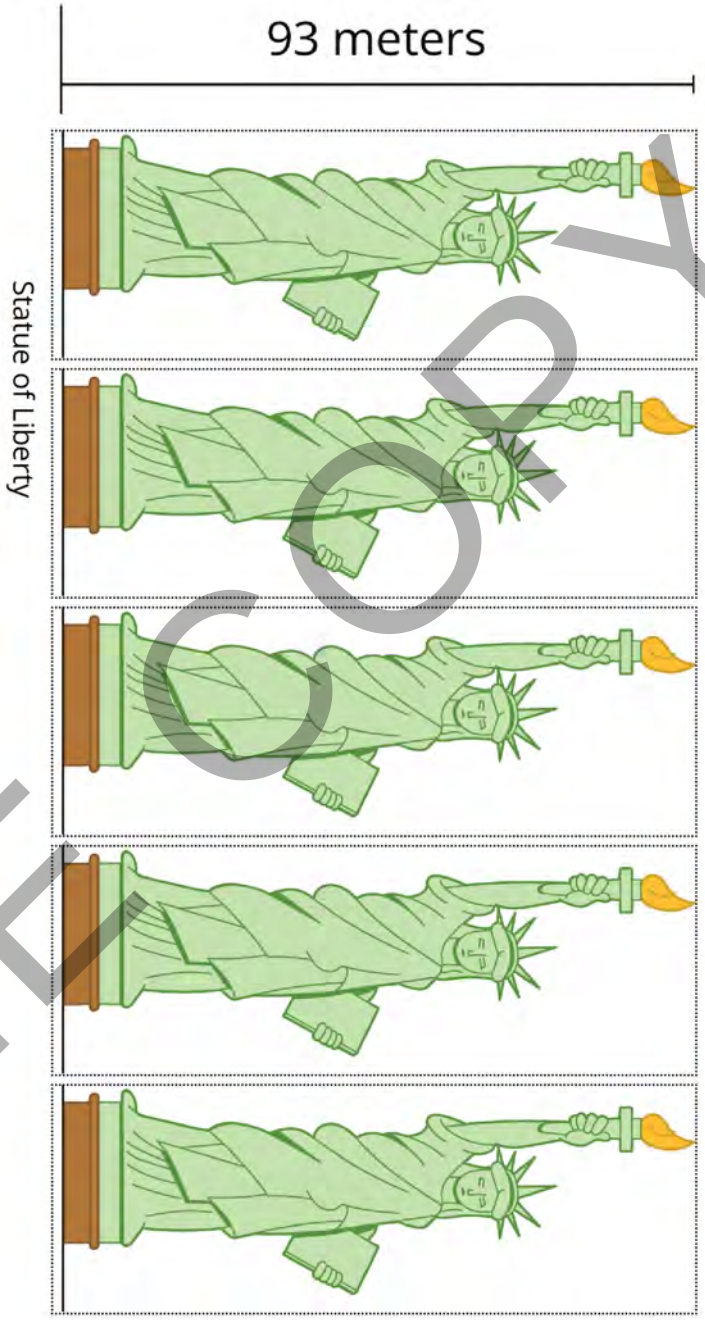

50 meters
Olympic-Size Pool


28 meters
Basketball Court


93 meters
Statue of Liberty

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Pounds and Ounces

Pounds and Ounces

Pounds and Ounces

Pounds and Ounces

SAMPLE COPY

Info Gap: Noah's School Day (Part 2)
Problem Card 1

Noah says, "I spend 6 times as many hours at school as I do with my family."

Is Noah's statement true? How do you know?

Info Gap: Noah's School Day (Part 2)
Data Card 1

Noah spends 9 hours at school during the day. He spends 90 minutes with his family in the evening.

Info Gap: Noah's School Day (Part 2)
Problem Card 2

On a school day, Noah spends 90 minutes with his family. On a weekend day, he spends much more time with his family.

Does Noah spend more than or less than 4 hours with his family on a weekend day?

Info Gap: Noah's School Day (Part 2)
Data Card 2

On each weekend day, Noah spends 3 times as much time with his family as he does during a school day.

Info Gap: Noah's School Day (Part 2)
Problem Card 1

Noah says, "I spend 6 times as many hours at school as I do with my family."

Is Noah's statement true? How do you know?

Info Gap: Noah's School Day (Part 2)
Data Card 1

Noah spends 9 hours at school during the day. He spends 90 minutes with his family in the evening.

Info Gap: Noah's School Day (Part 2)
Problem Card 2

On a school day, Noah spends 90 minutes with his family. On a weekend day, he spends much more time with his family.

Does Noah spend more than or less than 4 hours with his family on a weekend day?

Info Gap: Noah's School Day (Part 2)
Data Card 2

On each weekend day, Noah spends 3 times as much time with his family as he does during a school day.

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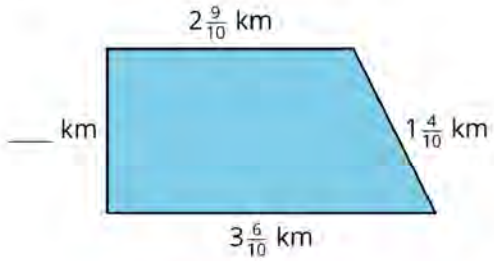
Unknown Measurements

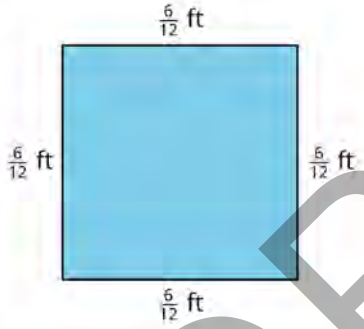
A



Perimeter = 9 km

Unknown Measurements

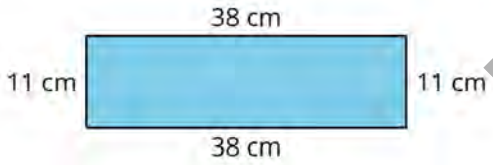
B



Perimeter = _____

Unknown Measurements

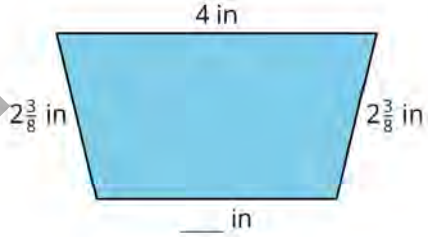
C



Perimeter = _____

Unknown Measurements

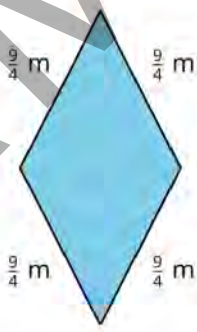
D



Perimeter = 12 in

Unknown Measurements

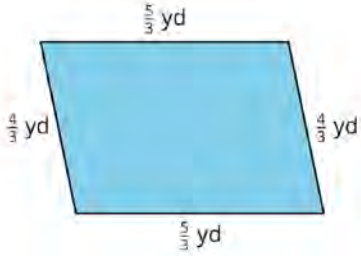
E



Perimeter = _____

Unknown Measurements

F

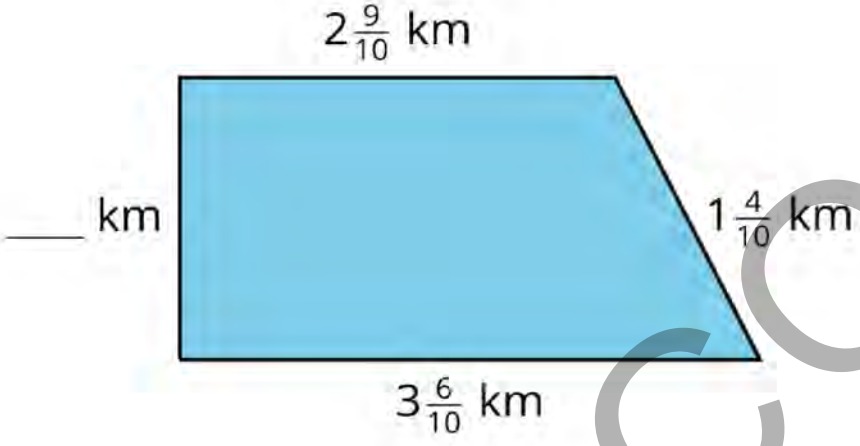


Perimeter = _____

SAMPLE COPY

Unknown Measurements

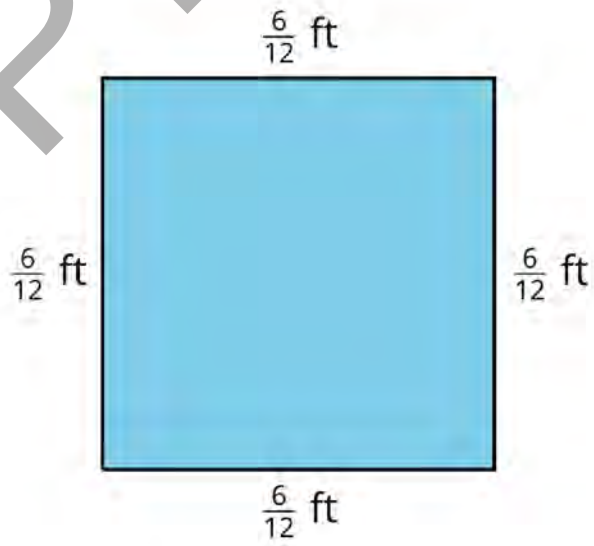
A



Perimeter = 9 km

Unknown Measurements

B

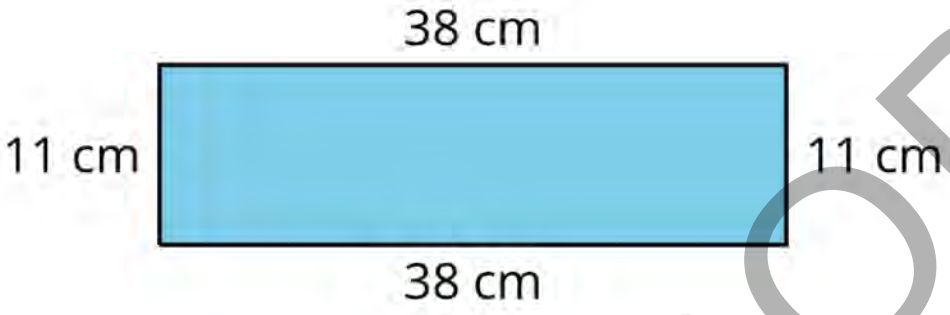


Perimeter = _____

SAMPLE COPY

Unknown Measurements

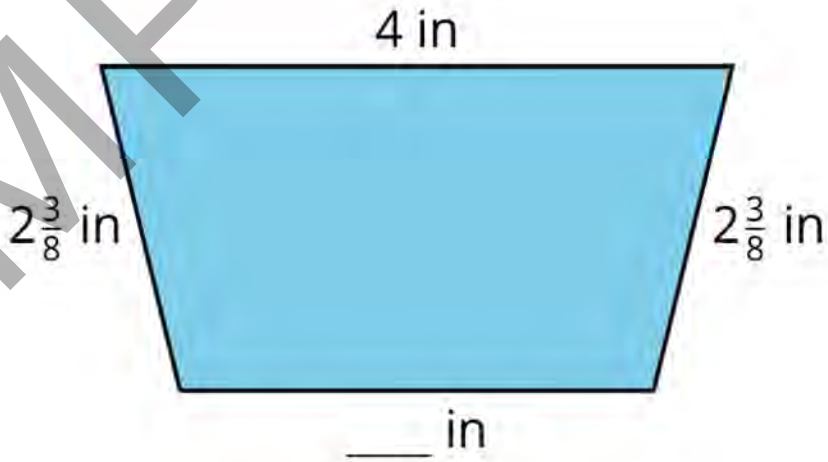
C



Perimeter = _____

Unknown Measurements

D

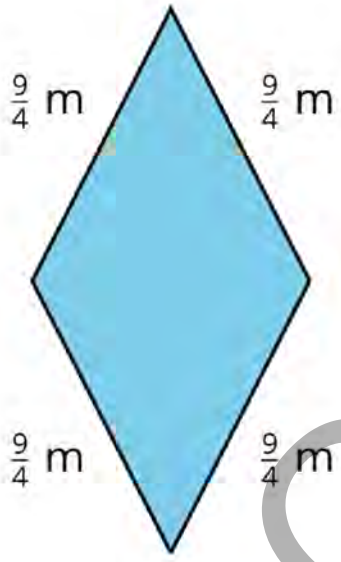


Perimeter = 12 in

SAMPLE COPY

Unknown Measurements

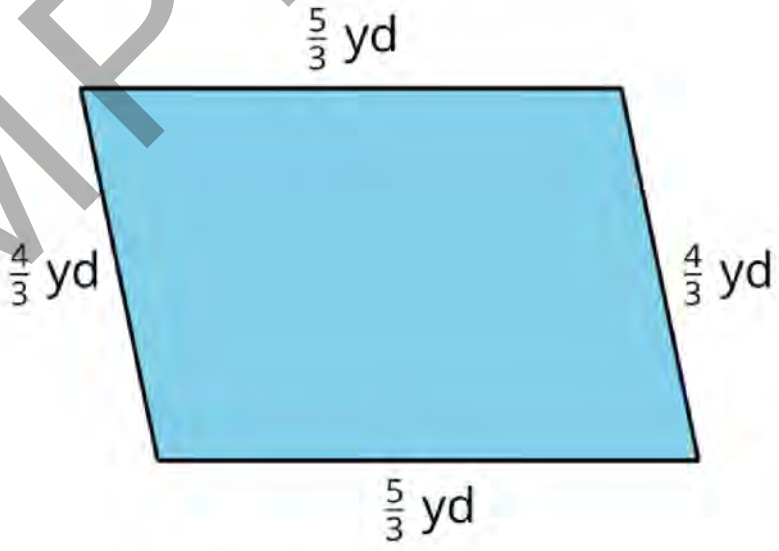
E



Perimeter = _____

Unknown Measurements

F



Perimeter = _____

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Facts about Animals

Southern Elephant Seal

- length: 3 m to 6 m
- adult male weight: 3,855 kg
- adult female weight: 907 kg
- birth length: 122 cm
- birth weight: up to 36 kg
- lifespan: 22 years
- can hold breath for up to 2 hours

Facts about Animals

Sperm Whale

- length: 16 m
- adult weight: 40,000 kg
- birth length: 4 m
- birth weight: 900 kg
- lifespan: 70 years
- can dive to a depth of 2,250 m
- can hold breath for up to 90 minutes

Facts about Animals

Bottlenose Dolphin

- adult length: 13 ft
- adult weight: 1,300 lb
- birth length: 39 in. to 53 in.
- birth weight: 22 lb to 44 lb
- lifespan: 40 years to 60 years

Facts about Animals

Chihuahua (dog)

- adult height: 20 cm
- adult weight: 2.5 kg
- birth height: 10 cm
- birth weight: 100 g
- lifespan: 14 years to 16 years

Facts about Animals

American Beaver

- length: 23 in. to 39 in.
- length of tail: 7 in. to 12 in.
- adult weight: 60 lb
- birth weight: 9 oz to 21 oz
- lifespan: 20 years
- can swim up to 5 miles an hour
- can hold breath for up to 15 minutes

Facts about Animals

Green Anaconda (snake)

- adult length: 30 ft
- adult weight: 500 lb
- birth length: 12 in. to 24 in.
- lifespan: up to 10 years
- can hold breath for up to 10 minutes

Facts about Animals

Miniature Poodle (dog)

- adult height: 35 cm
- adult weight: 7.5 kg
- lifespan: 10 years to 18 years

Facts about Animals

Dragonfly

- body length: 2 inches
- wingspan: 2 inches to 5 inches
- can fly up to 35 miles an hour
- can fly forward 100 times its body size in 1 second

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address	title	students per copy	written on?	requires cutting?	card stock recommended?	color paper recommended?	used multiple times?	used as a center material?
Activity Grade4.6.22.1	Going on a Field Trip Cards	1	no	yes	no	no	no	no

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Going on a Field Trip

A Clare

If each ticket is \$20, the cost is $45 \times 20 = 900$.

\$18 is \$2 less than \$20, so you subtract 45×2 (90) from 45×20 (900).

The difference is 810.

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Going on a Field Trip

B Kiran

$$
\begin{aligned}
10 \times 18 &= 180 \\
20 \times 18 &= 360 \\
40 \times 18 &= 720 \\
5 \times 18 &= 90 \\
45 \times 18 &= (40 \times 18) + (5 \times 18) \\
&= 720 + 90 \\
&= 810
\end{aligned}
$$

Going on a Field Trip

C Han

100 tickets cost $1,800.

50 tickets is half of $1,800, which is $900.

45 tickets is less than 50 tickets,

so they will have enough money.

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Going on a Field Trip

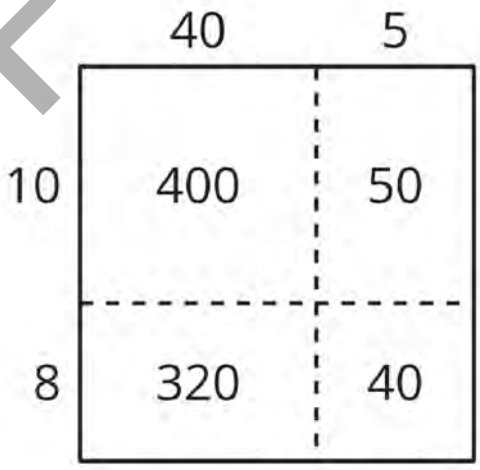
D Tyler

$$18 = 9 \times 2$$
$$2 \times 45 = 90$$

$$\begin{aligned} 18 \times 45 &= 9 \times 2 \times 45 \\ &= 9 \times 90 \\ &= 810 \end{aligned}$$

Going on a Field Trip

E Mai



$$400 + 320 + 50 + 40 = 810$$

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