Place Value ★ *Write the place value of the underlined digit.* A

Spelling Reference

	ones place	tens place
thousands place	ten thousands place	hundred thousands place
millions place	ten millions place	hundred millions place

A 3,1<u>2</u>5,479 ten thousands place

B <u>5</u>,698,000 _____

C 13,587,1<u>4</u>9 _____

D <u>2</u>8,963,140 _____

E 40,56<u>8</u>,342 _____

F 63,149,83<u>3</u> _____

G 7<u>8</u>,405,630 _____

H 1<u>2</u>8,369,100 _____

I 85,<u>1</u>24,000 _____

J 322,1<u>2</u>0,000 _____

K <u>1</u>2,250,634 _____

L <u>4</u>57,100,000 _____

M 6<u>9</u>2,134,637 _____

N 875,004,3<u>6</u>7 _____

Place Value: Value ★ *Write the value of the indicated digit.* B

A 75,364 → 5,000

B 124,369 → _____

C 678,000 → _____

D 2,369,455 → _____

E 6,120,378 → _____

F 9,360,478 → _____

G 32,089,140 → _____

H 48,005,361 → _____

I 62,058,633 → _____

J 68,421,077 → _____

K 75,050,000 → _____

L 94,234,765 → _____

M 105,698,347 → _____

N 367,489,015 → _____

O 536,987,442 → _____

P 679,950,125 → _____

Q 784,264,397 → _____

R 832,146,395 → _____

Place Value: Composition

★ *Write the number of ones, tens, hundreds, etcetera, that make each number.* **A**

A 25,047

0	hundreds
2	ten thousands
7	ones
5	thousands
4	tens

B 47,529

___	tens
___	hundreds
___	ten thousands
___	ones
___	thousands

C 60,125

___	hundreds
___	tens
___	thousands
___	ten thousands
___	ones

D 169,478

___	thousands
___	tens
___	ones
___	hundred thousands
___	hundreds
___	ten thousands

E 203,450

___	ten thousands
___	hundreds
___	hundred thousands
___	tens
___	thousands
___	ones

F 379,104

___	hundred thousands
___	ones
___	ten thousands
___	thousands
___	hundreds
___	tens

G 400,510

___	ones
___	hundred thousands
___	tens
___	thousands
___	hundreds
___	ten thousands

H 578,009

___	ten thousands
___	tens
___	hundred thousands
___	ones
___	hundreds
___	thousands

I 628,735

___	hundreds
___	thousands
___	tens
___	hundred thousands
___	ones
___	ten thousands

J 714,010

___	ten thousands
___	ones
___	hundred thousands
___	thousands
___	tens
___	hundreds

K 800,204

___	tens
___	hundreds
___	hundred thousands
___	ones
___	ten thousands
___	thousands

L 974,100

___	ones
___	thousands
___	ten thousands
___	hundreds
___	tens
___	hundred thousands

Place Value: Composition

★ *Write each number based on its composition.* **B**

A 12,705

7	hundreds
1	ten thousands
5	ones
2	thousands
0	tens

B _____

6	tens
5	hundreds
4	ten thousands
3	ones
0	thousands

C _____

0	hundreds
4	tens
2	thousands
7	ten thousands
5	ones

D _____

4	thousands
8	ones
3	ten thousands
5	hundreds
9	tens
1	hundred thousands

E _____

1	hundreds
2	hundred thousands
1	tens
0	thousands
1	ones
3	ten thousands

F _____

3	tens
0	thousands
4	hundred thousands
1	hundreds
5	ten thousands
7	ones

G _____

9	ten thousands
3	hundred thousands
5	ones
1	thousands
0	hundreds
0	tens

H _____

1	thousands
2	ones
5	hundred thousands
7	tens
6	ten thousands
0	hundreds

I _____

9	ten thousands
1	tens
0	hundreds
4	thousands
9	ones
6	hundred thousands

J _____

2	ones
4	hundreds
7	thousands
0	tens
8	hundred thousands
1	ten thousands

K _____

2	thousands
7	ten thousands
5	ones
7	hundred thousands
0	tens
0	hundreds

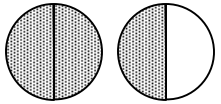
L _____

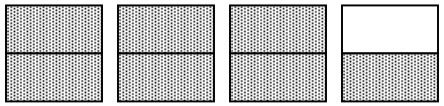
9	hundred thousands
0	thousands
9	tens
9	ten thousands
0	ones
9	hundreds

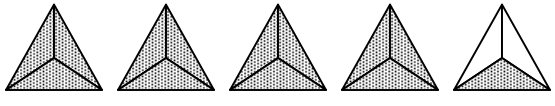
Fractions: Improper Fractions

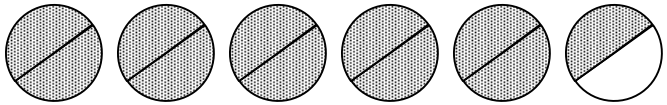
★ *Describe each model with an improper fraction.*

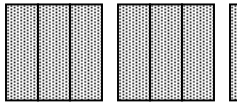
A

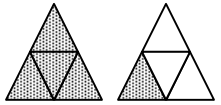
A  $\frac{3}{2}$

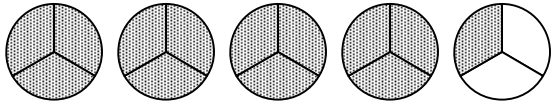
B 

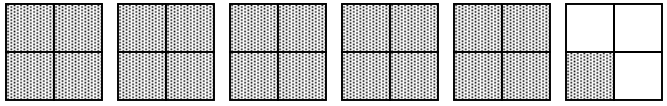
C 

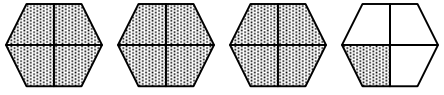
D 

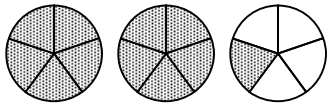
E 

F 

G 

H 

I 

J 

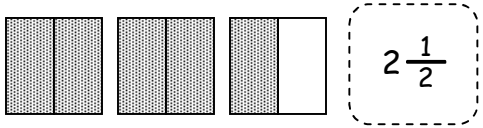
4.2B

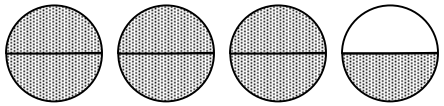
America Math ★ NUMERACY POWER-UP™ 39

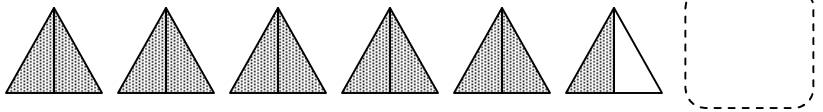
Fractions: Mixed Numbers

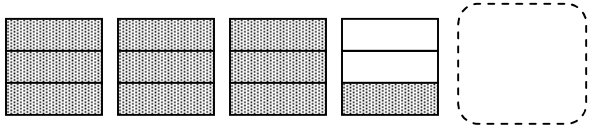
★ *Describe each model with a mixed number.*

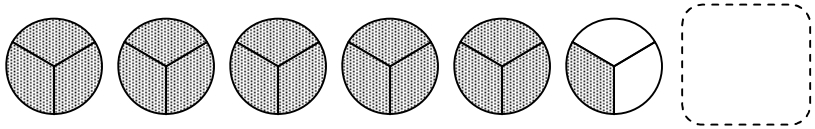
B

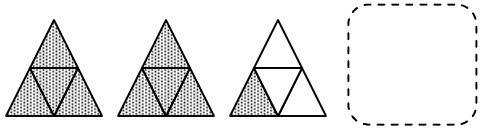
A  $2\frac{1}{2}$

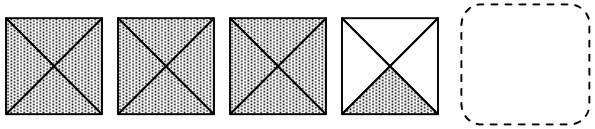
B 

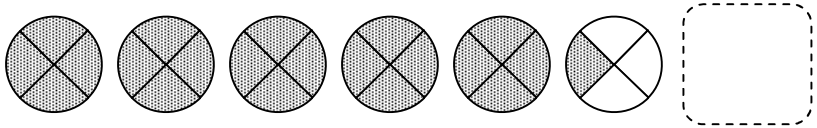
C 

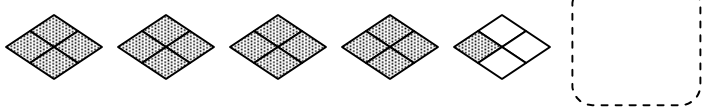
D 

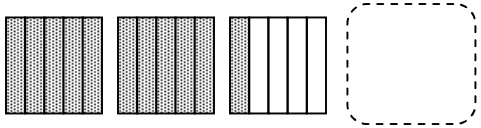
E 

F 

G 

H 

I 

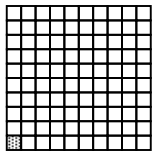
J 

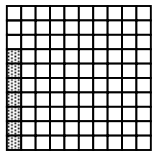
4.2B

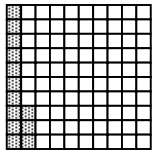
Decimal Models: Hundredths

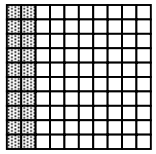
★ *Describe each model with a fraction and a decimal.*

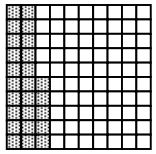
A

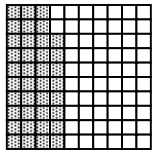
A  $= \frac{1}{100} =$ 0.01

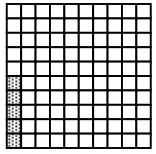
B  $= \frac{\quad}{\quad} =$ ____

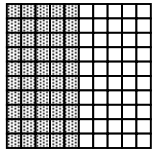
C  $= \frac{\quad}{\quad} =$ ____

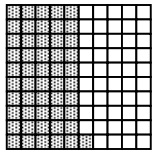
D  $= \frac{\quad}{\quad} =$ ____

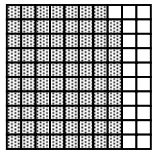
E  $= \frac{\quad}{\quad} =$ ____

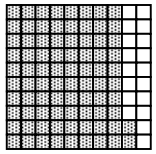
F  $= \frac{\quad}{\quad} =$ ____

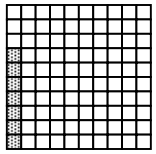
G  $= \frac{\quad}{\quad} =$ ____

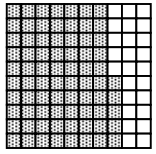
H  $= \frac{\quad}{\quad} =$ ____

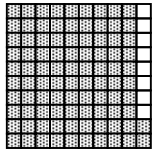
I  $= \frac{\quad}{\quad} =$ ____

J  $= \frac{\quad}{\quad} =$ ____

K  $= \frac{\quad}{\quad} =$ ____

L  $= \frac{\quad}{\quad} =$ ____

M  $= \frac{\quad}{\quad} =$ ____

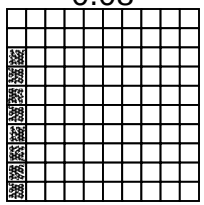
N  $= \frac{\quad}{\quad} =$ ____

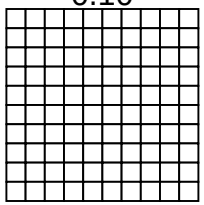
4.2D

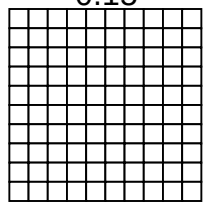
Decimal Models: Hundredths

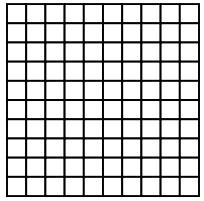
★ *Shade the given decimal.*

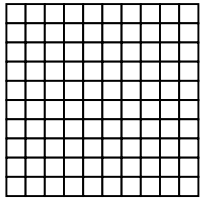
B

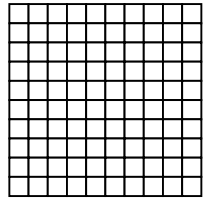
A 0.08 

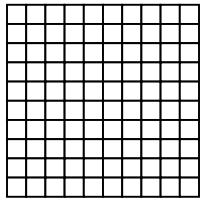
B 0.10 

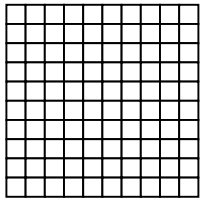
C 0.15 

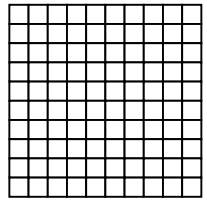
D 0.23 

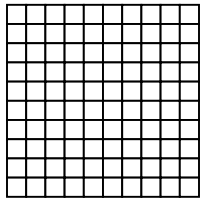
E 0.05 

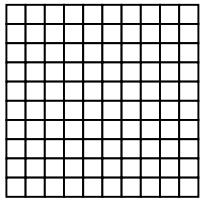
F 0.50 

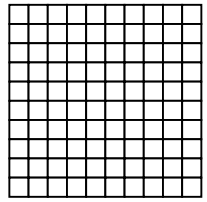
G 0.09 

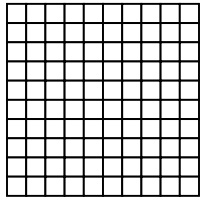
H 0.32 

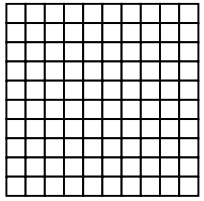
I 0.44 

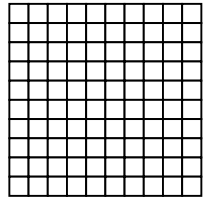
J 0.59 

K 0.06 

L 0.60 

M 0.75 

N 0.81 

O 0.99 

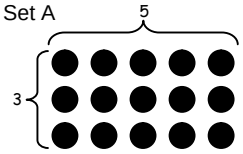
4.2D

Multiplication: Models

★ *Describe each model with a multiplication number sentence.*

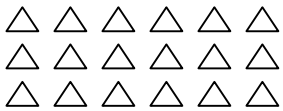
A

Set A



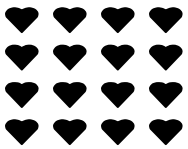
3 × 5 = 15

Set B



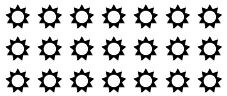
___ × ___ = ___

Set C



___ × ___ = ___

Set D



___ × ___ = ___

Set E

___ × ___ = ___

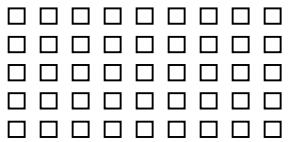
Set F

___ × ___ = ___

Set G

___ × ___ = ___

Set H

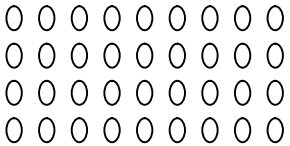


___ × ___ = ___

Set I

___ × ___ = ___

Set J



___ × ___ = ___

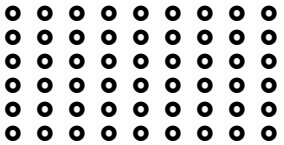
Set K

___ × ___ = ___

Set L

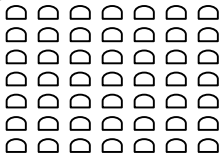
___ × ___ = ___

Set M



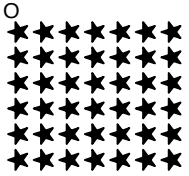
___ × ___ = ___

Set N



___ × ___ = ___

Set O



___ × ___ = ___

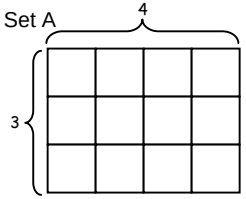
4.4A

Multiplication: Models

★ *Describe each model with a multiplication number sentence.*

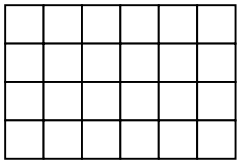
B

Set A



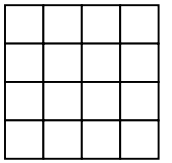
3 × 4 = 12

Set B



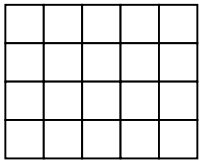
___ × ___ = ___

Set C



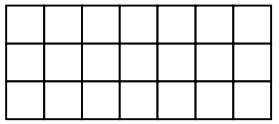
___ × ___ = ___

Set D



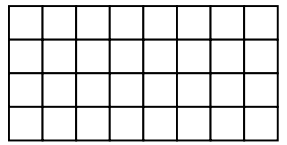
___ × ___ = ___

Set E



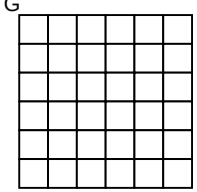
___ × ___ = ___

Set F



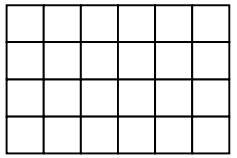
___ × ___ = ___

Set G



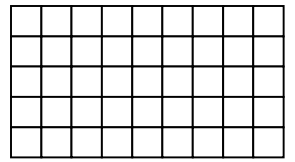
___ × ___ = ___

Set H



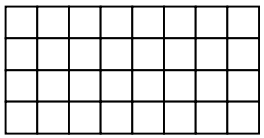
___ × ___ = ___

Set I



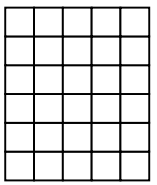
___ × ___ = ___

Set J



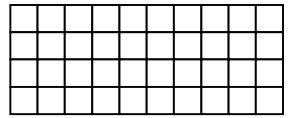
___ × ___ = ___

Set K



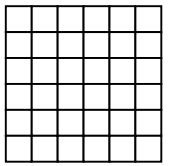
___ × ___ = ___

Set L



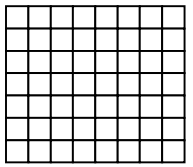
___ × ___ = ___

Set M



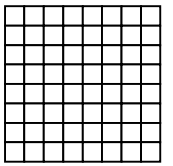
___ × ___ = ___

Set N



___ × ___ = ___

Set O



___ × ___ = ___

4.4A

Rounding: Nearest 1,000 ★ *Round each number to the nearest 1,000.* **A**

A 1,900 → 2,000	B 3,100 → _____	C 5,700 → _____
D 4,200 → _____	E 6,600 → _____	F 8,500 → _____
G 9,400 → _____	H 2,900 → _____	I 4,400 → _____
J 7,500 → _____	K 8,100 → _____	L 3,800 → _____
M 5,300 → _____	N 6,200 → _____	O 8,600 → _____

4.5A

Rounding: Nearest 1,000 ★ *Round each number to the nearest 1,000.* **B**

A 2,150 → _____	B 5,780 → _____	C 3,420 → _____
D 6,590 → _____	E 4,410 → _____	F 6,970 → _____
G 7,260 → _____	H 9,420 → _____	I 1,530 → _____
J 3,660 → _____	K 2,890 → _____	L 4,730 → _____
M 6,450 → _____	N 5,120 → _____	O 8,530 → _____
P 7,690 → _____	Q 1,170 → _____	R 3,250 → _____

4.5A

Rounding: Nearest 1,000 ★ *Round each number to the nearest 1,000.* **C**

A 2,974 → 3,000	B 4,873 → _____	C 3,211 → _____
D 7,438 → _____	E 9,248 → _____	F 6,596 → _____
G 1,683 → _____	H 5,423 → _____	I 8,803 → _____
J 4,325 → _____	K 3,697 → _____	L 7,792 → _____
M 9,428 → _____	N 8,429 → _____	O 6,540 → _____

4.5A

Rounding: Nearest 1,000 ★ *Round each number to the nearest 1,000.* **D**

A 3,269 → _____	B 7,148 → _____	C 1,561 → _____
D 2,830 → _____	E 4,308 → _____	F 6,723 → _____
G 8,499 → _____	H 9,348 → _____	I 5,569 → _____
J 7,692 → _____	K 1,485 → _____	L 2,201 → _____
M 4,733 → _____	N 6,107 → _____	O 8,529 → _____
P 9,111 → _____	Q 5,458 → _____	R 7,268 → _____

4.5A

Multiplication: Multiplying by 10

★ *Multiply by 10.*

A

A	B	C	D	E	F
2 × 10 = 20	7 × 10 =	5 × 10 =	4 × 10 =	9 × 10 =	8 × 10 =

G	H	I	J	K	L
10 × 10 =	12 × 10 =	16 × 10 =	24 × 10 =	49 × 10 =	20 × 10 =

M	N	O	P	Q	R
33 × 10 =	41 × 10 =	66 × 10 =	70 × 10 =	82 × 10 =	99 × 10 =

4.6B

Multiplication: Multiplying by 10

★ *Multiply by 10.*

B

A	B	C
3 → (× 10) → 30	6 → (× 10) →	10 → (× 10) →

D	E	F
18 → (× 10) →	27 → (× 10) →	35 → (× 10) →

G	H	I
50 → (× 10) →	61 → (× 10) →	44 → (× 10) →

J	K	L
15 → (× 10) →	23 → (× 10) →	80 → (× 10) →

M	N	O
65 → (× 10) →	90 → (× 10) →	75 → (× 10) →

4.6B

Multiplication: Multiplying by 10

★ *Complete each table.*

C

Table A

Number	Number × 10
3	30
5	
8	
9	

Table B

Number	Number × 10
10	
18	
24	
30	

Table C

Number	Number × 10
7	
12	
45	
50	

Table D

Number	Number × 10
6	
36	
72	
80	

4.6B

Multiplication: Multiplying by 10

★ *Complete each equation.*

D

A	B
8 × 10 = 80	___ × 10 = 50
C	**D**
___ × 10 = 190	___ × 10 = 240
E	**F**
___ × 10 = 300	___ × 10 = 480
G	**H**
___ × 10 = 510	___ × 10 = 600
I	**J**
___ × 10 = 780	___ × 10 = 990

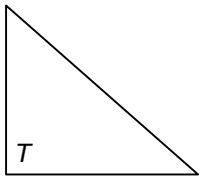
4.6B

Geometry: Attributes

★ Examine each figure. *Place a ✓ next to each true statement.*

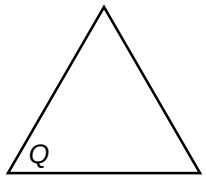
A

A



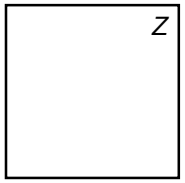
- ☑ The figure is a triangle
- ☑ Angle *T* is a right angle
- ☐ The figure is a three-dimensional figure
- ☑ The figure has 3 sides

B



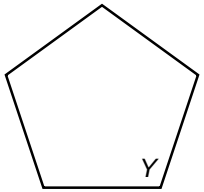
- ☐ The figure has exactly 3 vertices
- ☐ The figure has no lines of symmetry
- ☐ Angle *Q* is an obtuse angle
- ☐ The figure has fewer sides than a quadrilateral

C



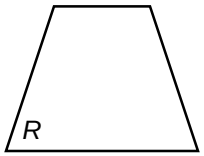
- ☐ The figure is a quadrilateral
- ☐ The figure is a square
- ☐ The figure has 2 more sides than a triangle
- ☐ Angle *Z* is a right angle

D



- ☐ The figure has exactly 4 vertices
- ☐ Angle *Y* is an obtuse angle
- ☐ The figure is a pentagon
- ☐ The figure has 1 more side than a quadrilateral

E



- ☐ The figure has 1 more vertex than a triangle
- ☐ The figure is a quadrilateral
- ☐ Angle *R* is an acute angle
- ☐ The figure is a trapezoid

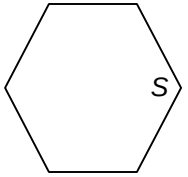
4.8AC

Geometry: Attributes

★ Examine each figure. *Place a ✓ next to each true statement.*

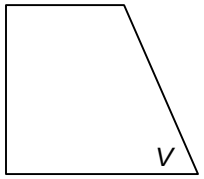
B

A



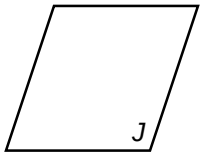
- ☐ The figure has no right angles
- ☐ The figure has 7 vertices
- ☐ The figure is a hexagon
- ☐ Angle *S* is an acute angle

B



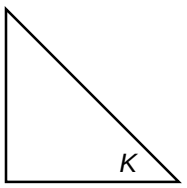
- ☐ The figure is a trapezoid
- ☐ The figure has exactly 4 vertices
- ☐ The figure has 1 line of symmetry
- ☐ Angle *V* is an acute angle

C



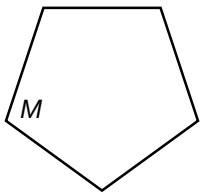
- ☐ The figure is a quadrilateral
- ☐ Angle *J* is an obtuse angle
- ☐ The figure is a parallelogram
- ☐ The figure is a square

D



- ☐ The figure has 2 fewer sides than a pentagon
- ☐ The figure is a quadrilateral
- ☐ Angle *K* is a right angle
- ☐ The figure has 3 acute angles

E



- ☐ The figure has 5 vertices and 5 sides
- ☐ The figure is a hexagon
- ☐ The figure has at least 1 line of symmetry
- ☐ Angle *M* is a right angle

4.8AC