

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

<p>A 25,047</p> <p><u>0</u> hundreds</p> <p><u>2</u> ten thousands</p> <p><u>7</u> ones</p> <p><u>5</u> thousands</p> <p><u>4</u> tens</p>	<p>B 47,529</p> <p><u> </u> tens</p> <p><u> </u> hundreds</p> <p><u> </u> ten thousands</p> <p><u> </u> ones</p> <p><u> </u> thousands</p>	<p>C 60,125</p> <p><u> </u> hundreds</p> <p><u> </u> tens</p> <p><u> </u> thousands</p> <p><u> </u> ten thousands</p> <p><u> </u> ones</p>
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<p>D 169,478</p> <p><u> </u> thousands</p> <p><u> </u> tens</p> <p><u> </u> ones</p> <p><u> </u> hundred thousands</p> <p><u> </u> hundreds</p> <p><u> </u> ten thousands</p>	<p>E 203,450</p> <p><u> </u> ten thousands</p> <p><u> </u> hundreds</p> <p><u> </u> hundred thousands</p> <p><u> </u> tens</p> <p><u> </u> thousands</p> <p><u> </u> ones</p>	<p>F 379,104</p> <p><u> </u> hundred thousands</p> <p><u> </u> ones</p> <p><u> </u> ten thousands</p> <p><u> </u> thousands</p> <p><u> </u> hundreds</p> <p><u> </u> tens</p>
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<p>G 400,510</p> <p><u> </u> ones</p> <p><u> </u> hundred thousands</p> <p><u> </u> tens</p> <p><u> </u> thousands</p> <p><u> </u> hundreds</p> <p><u> </u> ten thousands</p>	<p>H 578,009</p> <p><u> </u> ten thousands</p> <p><u> </u> tens</p> <p><u> </u> hundred thousands</p> <p><u> </u> ones</p> <p><u> </u> hundreds</p> <p><u> </u> thousands</p>	<p>I 628,735</p> <p><u> </u> hundreds</p> <p><u> </u> thousands</p> <p><u> </u> tens</p> <p><u> </u> hundred thousands</p> <p><u> </u> ones</p> <p><u> </u> ten thousands</p>
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<p>J 714,010</p> <p><u> </u> ten thousands</p> <p><u> </u> ones</p> <p><u> </u> hundred thousands</p> <p><u> </u> thousands</p> <p><u> </u> tens</p> <p><u> </u> hundreds</p>	<p>K 800,204</p> <p><u> </u> tens</p> <p><u> </u> hundreds</p> <p><u> </u> hundred thousands</p> <p><u> </u> ones</p> <p><u> </u> ten thousands</p> <p><u> </u> thousands</p>	<p>L 974,100</p> <p><u> </u> ones</p> <p><u> </u> thousands</p> <p><u> </u> ten thousands</p> <p><u> </u> hundreds</p> <p><u> </u> tens</p> <p><u> </u> hundred thousands</p>
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4.1A

Place Value: Composition ★ Write each number based on its composition. **B**

<p>A 12,705</p> <p><u>7</u> hundreds</p> <p><u>1</u> ten thousands</p> <p><u>5</u> ones</p> <p><u>2</u> thousands</p> <p><u>0</u> tens</p>	<p>B</p> <p><u>6</u> tens</p> <p><u>5</u> hundreds</p> <p><u>4</u> ten thousands</p> <p><u>3</u> ones</p> <p><u>0</u> thousands</p>	<p>C</p> <p><u>0</u> hundreds</p> <p><u>4</u> tens</p> <p><u>2</u> thousands</p> <p><u>7</u> ten thousands</p> <p><u>5</u> ones</p>
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<p>D</p> <p><u>4</u> thousands</p> <p><u>8</u> ones</p> <p><u>3</u> ten thousands</p> <p><u>5</u> hundreds</p> <p><u>9</u> tens</p> <p><u>1</u> hundred thousands</p>	<p>E</p> <p><u>1</u> hundreds</p> <p><u>2</u> hundred thousands</p> <p><u>1</u> tens</p> <p><u>0</u> thousands</p> <p><u>1</u> ones</p> <p><u>3</u> ten thousands</p>	<p>F</p> <p><u>3</u> tens</p> <p><u>0</u> thousands</p> <p><u>4</u> hundred thousands</p> <p><u>1</u> hundreds</p> <p><u>5</u> ten thousands</p> <p><u>7</u> ones</p>
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<p>G</p> <p><u>9</u> ten thousands</p> <p><u>3</u> hundred thousands</p> <p><u>5</u> ones</p> <p><u>1</u> thousands</p> <p><u>0</u> hundreds</p> <p><u>0</u> tens</p>	<p>H</p> <p><u>1</u> thousands</p> <p><u>2</u> ones</p> <p><u>5</u> hundred thousands</p> <p><u>7</u> tens</p> <p><u>6</u> ten thousands</p> <p><u>0</u> hundreds</p>	<p>I</p> <p><u>9</u> ten thousands</p> <p><u>1</u> tens</p> <p><u>0</u> hundreds</p> <p><u>4</u> thousands</p> <p><u>9</u> ones</p> <p><u>6</u> hundred thousands</p>
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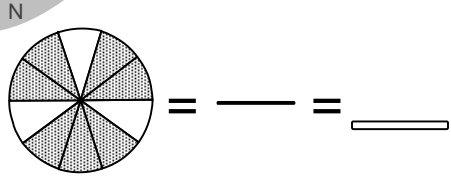
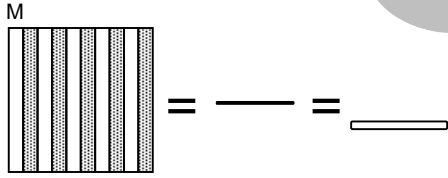
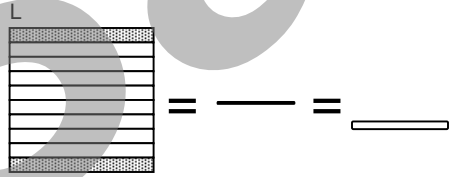
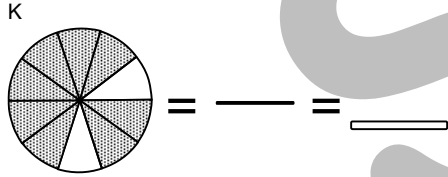
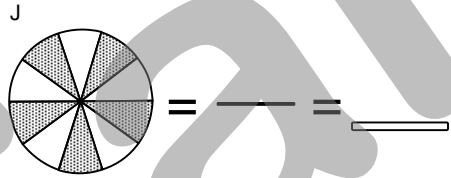
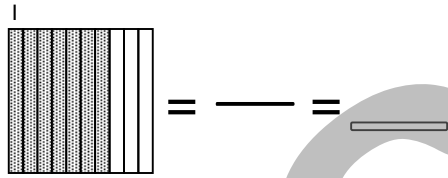
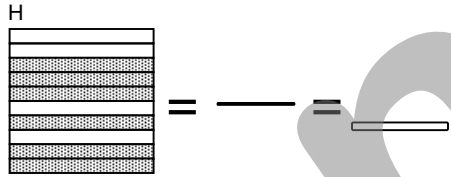
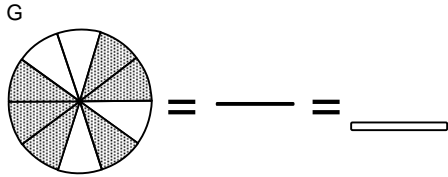
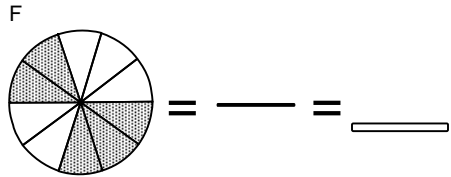
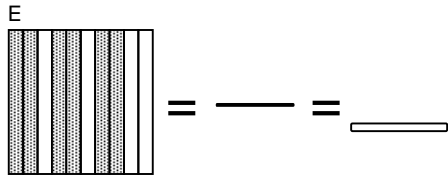
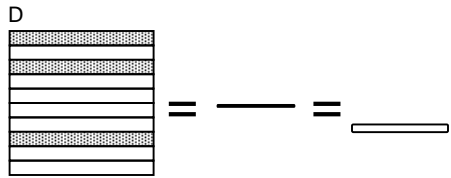
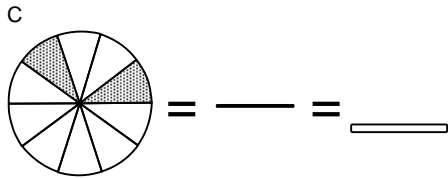
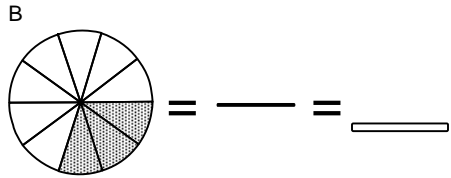
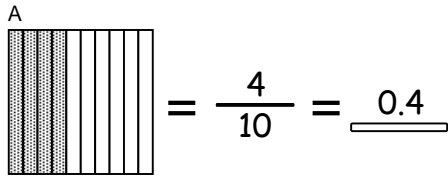
<p>J</p> <p><u>2</u> ones</p> <p><u>4</u> hundreds</p> <p><u>7</u> thousands</p> <p><u>0</u> tens</p> <p><u>8</u> hundred thousands</p> <p><u>1</u> ten thousands</p>	<p>K</p> <p><u>2</u> thousands</p> <p><u>7</u> ten thousands</p> <p><u>5</u> ones</p> <p><u>7</u> hundred thousands</p> <p><u>0</u> tens</p> <p><u>0</u> hundreds</p>	<p>L</p> <p><u>9</u> hundred thousands</p> <p><u>0</u> thousands</p> <p><u>9</u> tens</p> <p><u>9</u> ten thousands</p> <p><u>0</u> ones</p> <p><u>9</u> hundreds</p>
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4.1A

Decimal Models:
Tenths

★ Describe each model with a fraction and a decimal.

A

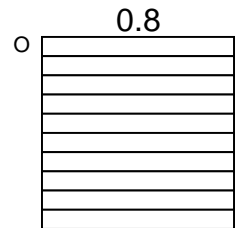
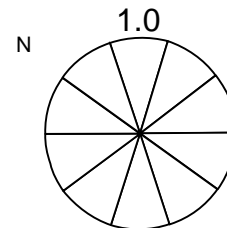
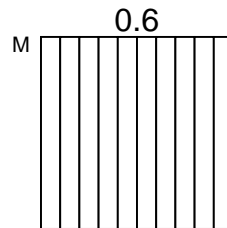
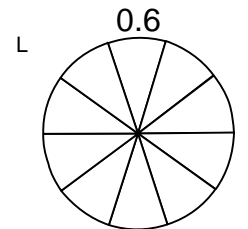
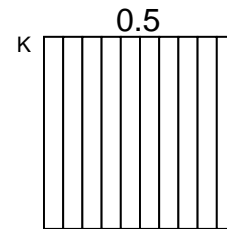
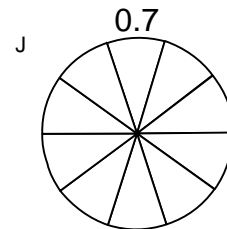
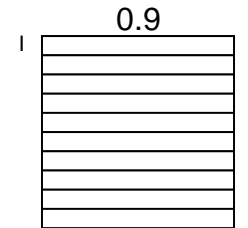
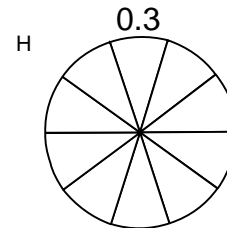
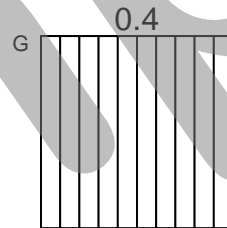
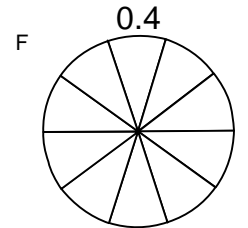
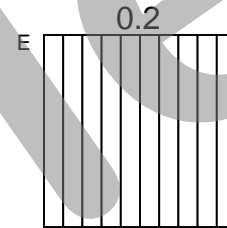
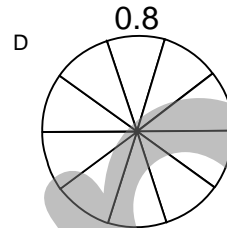
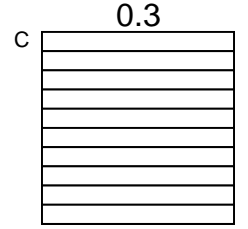
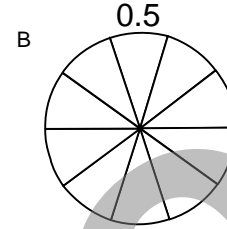
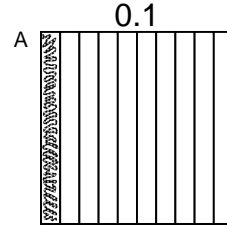


4.2D

Decimal Models:
Tenths

★ Shade the given decimal.

B



4.2D

Multiplication: Models ★ Describe each model with a multiplication number sentence. **A**

Set A

$2 \times 5 = 10$

Set B

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set C

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set D

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set E

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set F

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set G

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set H

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set I

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set J

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set K

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set L

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set M

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set N

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set O

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

4.4A

Multiplication: Models ★ Describe each model with a multiplication number sentence. **B**

Set A

$2 \times 3 = 6$

Set B

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set C

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set D

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set E

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set F

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set G

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set H

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set I

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set J

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set K

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set L

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set M

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set N

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

Set O

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

4.4A

Rounding: ★ Estimate each difference by rounding the minuends and subtrahends to the nearest 100. **A**

A
$$\begin{array}{r} 763 \curvearrowright 800 \\ - 298 \curvearrowright 300 \\ \hline 500 \end{array}$$

B
$$\begin{array}{r} 542 \curvearrowright \\ - 217 \curvearrowright \\ \hline \end{array}$$

C
$$\begin{array}{r} 621 \curvearrowright \\ - 121 \curvearrowright \\ \hline \end{array}$$

D
$$\begin{array}{r} 485 \curvearrowright \\ - 379 \curvearrowright \\ \hline \end{array}$$

E
$$\begin{array}{r} 823 \curvearrowright \\ - 175 \curvearrowright \\ \hline \end{array}$$

F
$$\begin{array}{r} 397 \curvearrowright \\ - 102 \curvearrowright \\ \hline \end{array}$$

G
$$\begin{array}{r} 556 \curvearrowright \\ - 244 \curvearrowright \\ \hline \end{array}$$

H
$$\begin{array}{r} 927 \curvearrowright \\ - 655 \curvearrowright \\ \hline \end{array}$$

I
$$\begin{array}{r} 736 \curvearrowright \\ - 515 \curvearrowright \\ \hline \end{array}$$

4.5A

Rounding: ★ Estimate each difference by rounding the minuends and subtrahends to the nearest 100. **B**

A
$$\begin{array}{r} 3,870 \curvearrowright 3,900 \\ - 1,510 \curvearrowright 1,500 \\ \hline 2,400 \end{array}$$

B
$$\begin{array}{r} 4,470 \curvearrowright \\ - 1,120 \curvearrowright \\ \hline \end{array}$$

C
$$\begin{array}{r} 5,920 \curvearrowright \\ - 1,310 \curvearrowright \\ \hline \end{array}$$

D
$$\begin{array}{r} 4,340 \curvearrowright \\ - 1,290 \curvearrowright \\ \hline \end{array}$$

E
$$\begin{array}{r} 6,850 \curvearrowright \\ - 2,480 \curvearrowright \\ \hline \end{array}$$

F
$$\begin{array}{r} 3,740 \curvearrowright \\ - 1,160 \curvearrowright \\ \hline \end{array}$$

G
$$\begin{array}{r} 6,370 \curvearrowright \\ - 2,120 \curvearrowright \\ \hline \end{array}$$

H
$$\begin{array}{r} 8,610 \curvearrowright \\ - 4,260 \curvearrowright \\ \hline \end{array}$$

I
$$\begin{array}{r} 9,780 \curvearrowright \\ - 5,410 \curvearrowright \\ \hline \end{array}$$

4.5A

Rounding: ★ Estimate each difference by rounding the minuends and subtrahends to the nearest 100. **C**

A
$$\begin{array}{r} 290 \curvearrowright 300 \\ - 112 \curvearrowright 100 \\ \hline 200 \end{array}$$

B
$$\begin{array}{r} 574 \curvearrowright \\ - 168 \curvearrowright \\ \hline \end{array}$$

C
$$\begin{array}{r} 824 \curvearrowright \\ - 458 \curvearrowright \\ \hline \end{array}$$

D
$$\begin{array}{r} 721 \curvearrowright \\ - 123 \curvearrowright \\ \hline \end{array}$$

E
$$\begin{array}{r} 864 \curvearrowright \\ - 682 \curvearrowright \\ \hline \end{array}$$

F
$$\begin{array}{r} 933 \curvearrowright \\ - 125 \curvearrowright \\ \hline \end{array}$$

G
$$\begin{array}{r} 655 \curvearrowright \\ - 245 \curvearrowright \\ \hline \end{array}$$

H
$$\begin{array}{r} 485 \curvearrowright \\ - 101 \curvearrowright \\ \hline \end{array}$$

I
$$\begin{array}{r} 864 \curvearrowright \\ - 732 \curvearrowright \\ \hline \end{array}$$

4.5A

Rounding: ★ Estimate each difference by rounding the minuends and subtrahends to the nearest 100. **D**

A
$$\begin{array}{r} 3,782 \curvearrowright 3,800 \\ - 1,421 \curvearrowright 1,400 \\ \hline 2,400 \end{array}$$

B
$$\begin{array}{r} 5,607 \curvearrowright \\ - 2,299 \curvearrowright \\ \hline \end{array}$$

C
$$\begin{array}{r} 7,412 \curvearrowright \\ - 3,287 \curvearrowright \\ \hline \end{array}$$

D
$$\begin{array}{r} 8,799 \curvearrowright \\ - 4,425 \curvearrowright \\ \hline \end{array}$$

E
$$\begin{array}{r} 9,614 \curvearrowright \\ - 5,265 \curvearrowright \\ \hline \end{array}$$

F
$$\begin{array}{r} 4,854 \curvearrowright \\ - 4,522 \curvearrowright \\ \hline \end{array}$$

G
$$\begin{array}{r} 7,516 \curvearrowright \\ - 5,277 \curvearrowright \\ \hline \end{array}$$

H
$$\begin{array}{r} 6,737 \curvearrowright \\ - 4,202 \curvearrowright \\ \hline \end{array}$$

I
$$\begin{array}{r} 9,892 \curvearrowright \\ - 1,929 \curvearrowright \\ \hline \end{array}$$

4.5A

Division: ★ Estimate each quotient by changing the dividend to a compatible number. **A**

Set A $3 \overline{)13} \rightsquigarrow 3 \overline{)12}$ $3 \overline{)130} \rightsquigarrow 3 \overline{)120}$ $3 \overline{)130} \rightsquigarrow 3 \overline{)120} \begin{matrix} 40 \\ \hline \end{matrix}$

Set B $4 \overline{)15} \rightsquigarrow 4 \overline{) \quad}$ $4 \overline{)150} \rightsquigarrow 4 \overline{) \quad}$

Set C $5 \overline{)14} \rightsquigarrow 5 \overline{) \quad}$ $5 \overline{)140} \rightsquigarrow 5 \overline{) \quad}$

Set D $3 \overline{)16} \rightsquigarrow 3 \overline{) \quad}$ $3 \overline{)160} \rightsquigarrow 3 \overline{) \quad}$

Set E $4 \overline{)11} \rightsquigarrow 4 \overline{) \quad}$ $4 \overline{)110} \rightsquigarrow 4 \overline{) \quad}$

Set F $5 \overline{)19} \rightsquigarrow 5 \overline{) \quad}$ $5 \overline{)190} \rightsquigarrow 5 \overline{) \quad}$

Set G $3 \overline{)22} \rightsquigarrow 3 \overline{) \quad}$ $3 \overline{)220} \rightsquigarrow 3 \overline{) \quad}$

Set H $4 \overline{)23} \rightsquigarrow 4 \overline{) \quad}$ $4 \overline{)230} \rightsquigarrow 4 \overline{) \quad}$

4.5B

Division: ★ Estimate each quotient by changing the dividend to a compatible number. **B**

Set A $4 \overline{)27} \rightsquigarrow 4 \overline{)28}$ $4 \overline{)270} \rightsquigarrow 4 \overline{)280}$ $4 \overline{)270} \rightsquigarrow 4 \overline{)280} \begin{matrix} 70 \\ \hline \end{matrix}$

Set B $3 \overline{)19} \rightsquigarrow 3 \overline{) \quad}$ $3 \overline{)190} \rightsquigarrow 3 \overline{) \quad}$

Set C $5 \overline{)16} \rightsquigarrow 5 \overline{) \quad}$ $5 \overline{)160} \rightsquigarrow 5 \overline{) \quad}$

Set D $4 \overline{)31} \rightsquigarrow 4 \overline{) \quad}$ $4 \overline{)310} \rightsquigarrow 4 \overline{) \quad}$

Set E $3 \overline{)23} \rightsquigarrow 3 \overline{) \quad}$ $3 \overline{)230} \rightsquigarrow 3 \overline{) \quad}$

Set F $5 \overline{)24} \rightsquigarrow 5 \overline{) \quad}$ $5 \overline{)240} \rightsquigarrow 5 \overline{) \quad}$

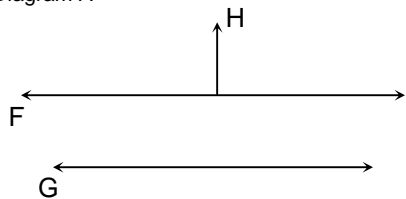
Set G $4 \overline{)35} \rightsquigarrow 4 \overline{) \quad}$ $4 \overline{)350} \rightsquigarrow 4 \overline{) \quad}$

Set H $3 \overline{)28} \rightsquigarrow 3 \overline{) \quad}$ $3 \overline{)280} \rightsquigarrow 3 \overline{) \quad}$

4.5B

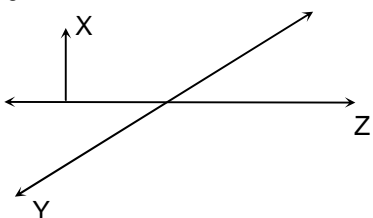
Geometry: ★ Examine each diagram. Place a ✓ next to each true statement. **A**

Diagram A



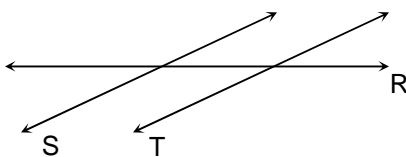
- Line F is perpendicular to line H
- Line F intersects line G
- Line G is perpendicular to line F
- Line G is parallel to line F

Diagram B



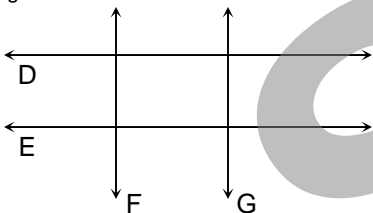
- Line X is parallel to line Y
- Line X is perpendicular to line Y
- Line Y intersects line Z
- Line X is perpendicular to line Z

Diagram C



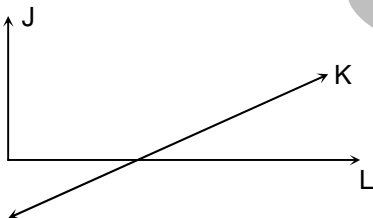
- Line R intersects lines S and T
- Line S is perpendicular to line R
- Line S is parallel to line T
- Line T is perpendicular to line S

Diagram D



- Line E is perpendicular to line F
- Line D intersects line E
- Line F is perpendicular to line G
- Line F is parallel to line G

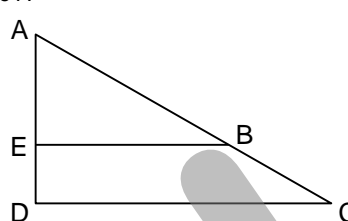
Diagram E



- Line K intersects line L
- Line K is perpendicular to line L
- Line J is parallel to line L
- Line J is perpendicular to line L

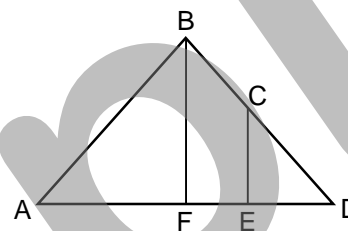
Geometry: ★ Examine each figure. Place a ✓ next to each true statement. **B**

Figure A



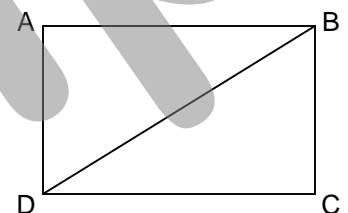
- \overline{AC} is parallel to \overline{CD}
- \overline{BE} is parallel to \overline{CD}
- \overline{AD} is perpendicular to \overline{CD}
- \overline{AB} is perpendicular to \overline{AE}

Figure B



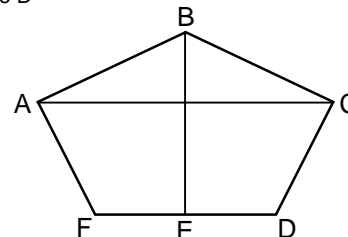
- \overline{AB} is parallel to \overline{BD}
- \overline{BF} is parallel to \overline{CE}
- \overline{AD} is perpendicular to \overline{BF}
- \overline{EF} is perpendicular to \overline{BC}

Figure C



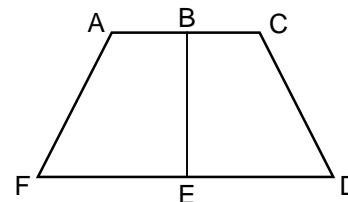
- \overline{AD} is parallel to \overline{BC}
- \overline{AB} is parallel to \overline{BD}
- \overline{BC} is perpendicular to \overline{CD}
- \overline{BD} is perpendicular to \overline{AD}

Figure D



- \overline{AC} is parallel to \overline{BE}
- \overline{AC} is parallel to \overline{DF}
- \overline{AC} is perpendicular to \overline{BE}
- \overline{DF} is perpendicular to \overline{DC}

Figure E



- \overline{AB} is parallel to \overline{EF}
- \overline{BC} is parallel to \overline{DF}
- \overline{BE} is perpendicular to \overline{CD}
- \overline{BE} is perpendicular to \overline{EF}