

Name _____



Date _____

Ratios

Use a proportion to find the unknown length in the pair of similar figures.
(drawings are not drawn to scale)

<p>1.</p> <p>length of sides:</p> <table> <tr> <td>KL = 16 m</td> <td>DA = 72 m</td> </tr> <tr> <td>JK = 36 m</td> <td>CD = 32 m</td> </tr> <tr> <td>IJ = 16 m</td> <td>BC = 72 m</td> </tr> <tr> <td>LI = _____</td> <td>AB = 32 m</td> </tr> </table>	KL = 16 m	DA = 72 m	JK = 36 m	CD = 32 m	IJ = 16 m	BC = 72 m	LI = _____	AB = 32 m	<p>2.</p> <p>length of sides:</p> <table> <tr> <td>GI = _____</td> <td>FD = 182 ft</td> </tr> <tr> <td>IH = 40 ft</td> <td>ED = 196 ft</td> </tr> <tr> <td>GH = _____</td> <td>FE = 70 ft</td> </tr> </table>	GI = _____	FD = 182 ft	IH = 40 ft	ED = 196 ft	GH = _____	FE = 70 ft				
KL = 16 m	DA = 72 m																		
JK = 36 m	CD = 32 m																		
IJ = 16 m	BC = 72 m																		
LI = _____	AB = 32 m																		
GI = _____	FD = 182 ft																		
IH = 40 ft	ED = 196 ft																		
GH = _____	FE = 70 ft																		
<p>3.</p> <p>length of sides:</p> <table> <tr> <td>OP = 60 km</td> <td>HG = 168 km</td> </tr> <tr> <td>NO = 30 km</td> <td>FE = 98 km</td> </tr> <tr> <td>PM = 50 km</td> <td>GF = 140 km</td> </tr> <tr> <td>MN = 35 km</td> <td>EH = _____</td> </tr> </table>	OP = 60 km	HG = 168 km	NO = 30 km	FE = 98 km	PM = 50 km	GF = 140 km	MN = 35 km	EH = _____	<p>4.</p> <p>length of sides:</p> <table> <tr> <td>ED = 112 cm</td> <td>FJ = 108 cm</td> </tr> <tr> <td>CB = 140 cm</td> <td>IH = _____</td> </tr> <tr> <td>DC = 154 cm</td> <td>JI = 72 cm</td> </tr> <tr> <td>AE = 168 cm</td> <td>GF = 99 cm</td> </tr> <tr> <td>BA = 154 cm</td> <td>HG = _____</td> </tr> </table>	ED = 112 cm	FJ = 108 cm	CB = 140 cm	IH = _____	DC = 154 cm	JI = 72 cm	AE = 168 cm	GF = 99 cm	BA = 154 cm	HG = _____
OP = 60 km	HG = 168 km																		
NO = 30 km	FE = 98 km																		
PM = 50 km	GF = 140 km																		
MN = 35 km	EH = _____																		
ED = 112 cm	FJ = 108 cm																		
CB = 140 cm	IH = _____																		
DC = 154 cm	JI = 72 cm																		
AE = 168 cm	GF = 99 cm																		
BA = 154 cm	HG = _____																		
<p>5.</p> <p>length of sides:</p> <table> <tr> <td>AD = 24 yd</td> <td>MN = 30 yd</td> </tr> <tr> <td>CB = _____</td> <td>NO = 18 yd</td> </tr> <tr> <td>DC = 104 yd</td> <td>PM = 54 yd</td> </tr> <tr> <td>BA = 40 yd</td> <td>OP = 78 yd</td> </tr> </table>	AD = 24 yd	MN = 30 yd	CB = _____	NO = 18 yd	DC = 104 yd	PM = 54 yd	BA = 40 yd	OP = 78 yd	<p>6.</p> <p>length of sides:</p> <table> <tr> <td>BC = 56 in</td> <td>HE = 42 in</td> </tr> <tr> <td>DA = 56 in</td> <td>FG = 42 in</td> </tr> <tr> <td>CD = 8 in</td> <td>EF = 6 in</td> </tr> <tr> <td>AB = 8 in</td> <td>GH = _____</td> </tr> </table>	BC = 56 in	HE = 42 in	DA = 56 in	FG = 42 in	CD = 8 in	EF = 6 in	AB = 8 in	GH = _____		
AD = 24 yd	MN = 30 yd																		
CB = _____	NO = 18 yd																		
DC = 104 yd	PM = 54 yd																		
BA = 40 yd	OP = 78 yd																		
BC = 56 in	HE = 42 in																		
DA = 56 in	FG = 42 in																		
CD = 8 in	EF = 6 in																		
AB = 8 in	GH = _____																		