

Name: _____

Date _____

Topic : Proportions to Determine Length - Worksheet 1

Use a proportion to find the unknown length.

1	$AB = 3$ $AC = 7$ $BC = 4$	$DE = 4$ $DF =$ $EF = 5$	2	$ED = 2$ $DC = 4$ $CE = 6$	$JI = 8$ $IH =$ $HJ = 24$
3	$PM = 6$ $MN = 3$ $NO = 12$ $OP = 15$	$LI =$ $IJ =$ $JK = 4$ $KL = 5$	4	$PM = 4$ $MN = 16$ $NO = 12$ $OP = 6$	$LI = 2$ $IJ =$ $JK = 6$ $KL = 3$
5	$AB = 3$ $BD = 9$ $CD = 2$ $CA = 8$	$EF = 4$ $GH =$ $FH = 5$ $GE =$	6	$DB = 12$ $BA = 16$ $AC =$ $CA = 20$	$MP = 3$ $PO = 4$ $ON = 7$ $MN =$
7	$HI = 3$ $IJ = 9$ $JK = 6$ $KL = 4$ $LH = 2$	$AB = 8$ $BC =$ $CD = 12$ $DE = 8$ $FA =$	8	$AB = 12$ $BC = 4$ $CD = 5$ $DA = 15$	$EH = 21$ $HG = 7$ $FG =$ $EF = 18$
9	$UR = 18$ $RS = 9$ $ST = 3$ $TU = 6$	$DE = 6$ $EF = 3$ $FG =$ $GD =$	10	$PM = 3$ $MN = 5$ $NO = 4$ $OP = 6$	$LI = 27$ $IJ =$ $JK = 36$ $KL =$



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Topic : Proportions to Determine Length - Worksheet 2

Use a proportion to find the unknown length.

1	$AB = 3$ $AC = 7$ $BC = 4$	$DE = 6$ $DF =$ $EF =$	2	$ED = 4$ $DC = 5$ $CE = 6$	$JI = 8$ $IH =$ $HJ = 12$
3	$PM = 6$ $MN = 8$ $NO = 12$ $OP = 10$	$LI =$ $IJ =$ $JK = 6$ $KL = 5$	4	$PM = 4$ $MN = 8$ $NO = 12$ $OP = 16$	$LI = 2$ $IJ =$ $JK = 6$ $KL = 8$
5	$AB = 3$ $BD = 12$ $CD = 2$ $CA = 10$	$EF = 4$ $GH =$ $FH = 5$ $GE =$	6	$DB = 12$ $BA = 24$ $AC =$ $CA = 30$	$MP = 2$ $PO = 4$ $ON = 7$ $MN =$
7	$HI = 4$ $IJ = 9$ $JK = 14$ $KL = 19$ $LH = 24$	$AB = 8$ $BC =$ $CD = 18$ $DE = 23$ $FA =$	8	$AB = 20$ $BC = 4$ $CD = 5$ $DA = 25$	$EH = 35$ $HG = 7$ $FG =$ $EF = 40$
9	$UR = 18$ $RS = 3$ $ST =$ $TU = 9$	$DE = 30$ $EF =$ $FG = 6$ $GD = 7$	10	$PM = 8$ $MN = 6$ $NO = 4$ $OP = 2$	$LI =$ $IJ =$ $JK = 36$ $KL = 18$



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Topic : Proportions to Determine Length - Worksheet 3

Use a proportion to find the unknown length.

1	$AB = 2$ $AC = 7$ $BC = 9$	$DE = 5$ $DF =$ $EF = 14$	2	$ED = 6$ $DC = 8$ $CE = 10$	$JI =$ $IH =$ $HJ = 12$
3	$PM = 8$ $MN = 16$ $NO = 24$ $OP = 32$	$LI = 4$ $IJ =$ $JK =$ $KL =$	4	$PM = 12$ $MN = 15$ $NO = 18$ $OP = 21$	$LI = 14$ $IJ =$ $JK =$ $KL = 35$
5	$AB = 18$ $BD = 9$ $CD = 2$ $CA = 10$	$EF = 6$ $GH =$ $FH = 3$ $GE =$	6	$DB = 8$ $BA = 13$ $AC =$ $CA = 23$	$MP = 17$ $PO =$ $ON =$ $MN = 32$
7	$HI = 25$ $IJ = 20$ $JK = 15$ $KL = 10$ $LH = 5$	$AB = 20$ $BC =$ $CD =$ $DE =$ $FA = 4$	8	$AB = 24$ $BC = 6$ $CD = 5$ $DA = 20$	$EH =$ $HG = 7$ $FG = 8$ $EF =$
9	$UR = 27$ $RS = 9$ $ST = 13$ $TU =$	$DE =$ $EF = 12$ $FG = 6$ $GD = 5$	10	$PM = 20$ $MN = 15$ $NO = 10$ $OP = 5$	$LI = 48$ $IJ =$ $JK =$ $KL = 12$



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Topic : Proportions to Determine Length - Worksheet 4

Use a proportion to find the unknown length.

1	$AB = 6$ $AC = 4$ $BC = 10$	$DE = 5$ $DF =$ $EF = 9$	2	$ED = 5$ $DC = 4$ $CE = 20$	$JI = 7$ $IH =$ $HJ = 63$
3	$PM = 24$ $MN = 19$ $NO = 14$ $OP = 9$	$LI =$ $IJ =$ $JK =$ $KL = 8$	4	$PM = 9$ $MN = 18$ $NO = 27$ $OP = 36$	$LI =$ $IJ =$ $JK =$ $KL = 48$
5	$AB = 50$ $BD = 10$ $CD =$ $CA = 15$	$EF =$ $GH = 12$ $FH = 65$ $GE =$	6	$DB = 9$ $BA = 11$ $AC =$ $CA = 15$	$MP = 4$ $PO =$ $ON =$ $MN = 10$
7	$HI = 20$ $IJ = 17$ $JK =$ $KL =$ $LH = 8$	$AB = 16$ $BC =$ $CD =$ $DE =$ $FA = 4$	8	$AB = 63$ $BC = 9$ $CD =$ $DA = 56$	$EH =$ $HG = 6$ $FG = 5$ $EF =$
9	$UR = 12$ $RS = 9$ $ST = 6$ $TU = 3$	$DE =$ $EF =$ $FG =$ $GD = 2$	10	$PM = 48$ $MN = 36$ $NO = 24$ $OP = 12$	$LI = 52$ $IJ =$ $JK =$ $KL = 13$



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Topic : Proportions to Determine Length - Worksheet 5

Use a proportion to find the unknown length.

1	$AB = 7$ $AC = 10$ $BC = 13$	$DE = 6$ $DF =$ $EF = 12$	2	$ED = 4$ $DC = 5$ $CE = 3$	$JI = 16$ $IH =$ $HJ = 9$
3	$PM = 5$ $MN = 13$ $NO = 21$ $OP = 29$	$LI = 8$ $IJ =$ $JK =$ $KL =$	4	$PM = 5$ $MN = 15$ $NO =$ $OP = 35$	$LI = 78$ $IJ =$ $JK =$ $KL = 48$
5	$AB = 6$ $BD = 10$ $CD =$ $CA = 18$	$EF =$ $GH = 15$ $FH =$ $GE = 7$	6	$DB = 4$ $BA = 3$ $AC = 2$ $CA = 1$	$MP = 48$ $PO =$ $ON = 4$ $MN = 2$
7	$HI = 32$ $IJ = 18$ $JK =$ $KL = 8$ $LH = 24$	$AB = 16$ $BC =$ $CD = 7$ $DE =$ $FA =$	8	$AB = 45$ $BC = 40$ $CD =$ $DA = 30$	$EH = 54$ $HG = 49$ $FG =$ $EF =$
9	$UR = 28$ $RS = 21$ $ST = 14$ $TU = 7$	$DE = 4$ $EF =$ $FG =$ $GD = 1$	10	$PM = 40$ $MN = 24$ $NO = 32$ $OP =$	$LI = 5$ $IJ = 3$ $JK =$ $KL = 6$

