

1 foot = 12 inches 3 feet = 1 yard 5280 feet = 1 mile

1.6 km = 1 mile

1 kilometer = 1000 meters 1 m = 100 cm = 1000 mm = 1,000,000 μm

ONLY USE AS MANY CONVERSION BARS AS NECESSARY

	# + Word	Conversion	Conversion	Conversion	Conversion	New Word
DIRECTIONS 1. Write ‘# word’ on left, ‘new word’ on right 2. Plan a “Word Path” 3. Make a conversion bar (-----) for each word change in your path 4. Put ‘new words’ on top, ‘old words’ on bottom of conversion bar. 5. Put numbers on conversion bars so the top and bottom are actually EQUAL 6. Multiply top numbers and divide by bottom numbers to get NUMERICAL ANSWER	1) 95.6 in	-----	-----	-----	-----	7.97 ft
	2) 10,800 ft	-----	-----	-----	-----	2.05 mi
	3) 76.2 yd	-----	-----	-----	-----	228.6 ft
	4) 867 mm	-----	-----	-----	-----	0.867 m
	5) 14.5 cm	-----	-----	-----	-----	145 mm
	6) 67,000 m	-----	-----	-----	-----	67 km
	7) 0.589 km	-----	-----	-----	-----	58900 cm
	8) 165,000 mm	-----	-----	-----	-----	0.165 km
	9) 2.5 km	-----	-----	-----	-----	8250 ft
	10) 4.5 mi	-----	-----	-----	-----	7200 m
	11) 14.6 $\frac{\text{mi}}{\text{hr}}$	-----	-----	-----	-----	0.243 $\frac{\text{mi}}{\text{min}}$
	12) 12 $\frac{\text{cm}}{\text{sec}}$	-----	-----	-----	-----	720 $\frac{\text{cm}}{\text{min}}$
	13) 34.6 $\frac{\text{ft}}{\text{sec}}$	-----	-----	-----	-----	692 $\frac{\text{yd}}{\text{min}}$
	14) 12.0 $\frac{\text{m}}{\text{sec}}$	-----	-----	-----	-----	72000 $\frac{\text{cm}}{\text{min}}$
	15) 3.5 $\frac{\text{mi}}{\text{hr}}$	-----	-----	-----	-----	5.13 $\frac{\text{ft}}{\text{sec}}$
	16) 70 $\frac{\text{km}}{\text{hr}}$	-----	-----	-----	-----	64.17 $\frac{\text{ft}}{\text{sec}}$

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	# + Word	Conversion	Conversion	Conversion	Conversion	New Word
DIRECTIONS	1) 95.6 in	1 ft ----- 12 in				7.97 ft
	2) 10,800 ft	1 mi ----- 5280 ft				2.05 mi
	3) 76.2 yd	3 ft ----- 1 yd				228.6 ft
1. Write '# word' on left, 'new word' on right	4) 867 mm	1 m ----- 1000 mm				0.867 m
	5) 14.5 cm	1000 mm ----- 100 cm				145 mm
	6) 67,000 m	1 km ----- 1000 m				67 km
2. Plan a "Word Path"	7) 0.589 km	1000 m ----- 1 km	100 cm ----- 1 m			58900 cm
	8) 165,000 mm	1 m ----- 1000 mm	1 km ----- 1000 m			0.165 km
	9) 2.5 km	1 mi ----- 1.6 km	5280 ft ----- 1 mi			8250 ft
3. Make a conversion bar (-----) for each word change in your path	10) 4.5 mi	1.6 km ----- 1 mi	1000 m ----- 1 km			7200 m
	11) 14.6 <u>mi</u> hr	1 hr ----- 60 min				0.243 <u>mi</u> min
	12) 12 <u>cm</u> sec	60 sec ----- 1 min				720 <u>cm</u> min
4. Put 'new words' on top, 'old words' on bottom of conversion bar.	13) 34.6 <u>ft</u> sec	1 yd ----- 3 ft	60 sec ----- 1 min			692 <u>yd</u> min
	14) 12.0 <u>m</u> sec	100 cm ----- 1 m	60 sec ----- 1 min			72000 <u>cm</u> min
	15) 3.5 <u>mi</u> hr	5280 ft ----- 1 mi	1 hr ----- 60 min	1 min ----- 60 sec		5.13 <u>ft</u> sec
5. Put numbers on conversion bars so the top and bottom are actually EQUAL	16) 70 <u>km</u> hr	1 mi ----- 1.6 km	5280 ft ----- 1 mi	1 hr ----- 60 min	1 min ----- 60 sec	64.17 <u>ft</u> sec
	6. Multiply top numbers and divide by bottom numbers to get NUMERICAL ANSWER					