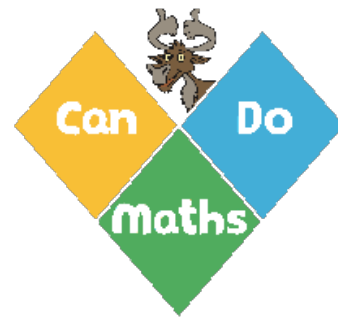




Colin and Coco's Deliberate Practice

Year 6 Unit 11

Measurement: Converting Units **Answers**





Contents

This pack of deliberate practice is designed to be used flexibly to secure the manageable steps of this unit.

The table below indicates which activities are linked to which manageable steps.

	Do It	Challenge It	Play It
Convert between metric units from the smaller unit to the larger unit	1		
Convert between metric units from the larger unit to the smaller unit	1		
Convert between units of time		1	
Convert between miles and km			1



Convert:

Do It 1

152 cm =	1.52 m	2450 g =	2.45 kg	1.52 km =	1520 m
1523 m =	1.523 km	2045 ml =	2.045 litres	3.4 litres =	3400 ml
152 mm =	15.2 cm	675 g =	0.675 kg	0.2 kg =	200 g
24 cm =	0.24 m	675 ml =	0.675 litres	0.3 m =	30 cm
248 m =	0.248 km	42 g =	0.042 kg	0.6 cm =	6 mm
24 mm =	2.4 cm	30 ml =	0.03 litres	0.04 kg =	40 g

Match the times.
Find the missing buddy.

Challenge It 1

1.5 hours		12 hours
15 minutes		90 seconds
0.5 day		90 minutes
1.5 minutes		30 seconds
150 seconds		0.25 hour
0.5 minute		36 hours
1.5 days		2.5 minutes
1.25 hours		30 minutes
150 minutes		75 minutes
0.5 hour		2.5 hours



Converting Game

Play It 1

You need:

0 - 9 dice

To play:

Player 1 rolls the dice without letting player 2 see it, and multiplies the number by 5 to get a number of miles.

They tell player 2 the resulting number of miles.

Player 2 has to convert this to kilometres. This is their score.

Player 2 now rolls the dice without letting player 1 see it, and multiplies the number by 5 to get a number of miles.

They tell player 1 the resulting number of miles.

Player 1 has to convert this to kilometres. This is their score.

To win:

The winner is the player with the highest total score after five goes each.

(Play again, but multiply the dice roll by 8 and convert to miles.)

Checking Table

km	5	10	15	20	25	30	35	40	45	50
Mile	8	16	24	32	40	48	56	64	72	80

km	55	60	65	70	75	80	85	90	95	100
Mile	88	96	104	112	120	128	136	144	152	160