Answers

Lesson 2

Length	Weight	Capacity
Miles	Stones	Gallons
Feet	Pounds	Pints
Inches	Ounces	quarts

Use the bar models to help with the conversions.

	2 [°] in 5 cm
16in ≈ 40 cm	10cm ≈ 4 in
15in ≈ 375 cm	1cm ≈ 🖸 · Ӌ in
33in ≈ ₽.≌2⊐ m	5.5 <u>m</u> ≈ 🕰 📿 in

Inches	Cm	Inches	Cm
0.4	1	40	100
1	2.5	50	125
4	10	100	250
5	12.5		
6	15		
10	25		
15	37.5		
20	50		

There are 12 inches in 1 foot. Tommy is 4 feet 8 inches tall.

a) What is Tommy's height in inches?





b) Approximately, how tall is Tommy in centimetres?



The perimeter of a <u>regular</u> pentagon is 20 inches. What is the length of each side, in cm?<u>10cm</u> 20 ÷ 5 = 4 inches (for each side) 4inches ≈ <u>10cm</u>

Phillips Idowu jumped 16.5m in the triple jump at the London Olympics last year.

The winner jumped 18.3m. How much further did the winner jump in inches?<u>72inches</u> To find the difference: 18.3 - 16.5 = 1.8m or 180cm 180cm ≈ <u>72inches</u> You could do this by partitioning 180 into 100 + 50 + 10 + 10 + 10

Compare this to your table to add the following inches: 40 + 20 + 4 + 4 + 4

(or you might have spotted you can ÷ answer in cm by 2.5!)

James is 1.45m tall, and Jodie is 60 inches.

How much taller is Jodie than James? Give your answer in cm or inches <u>5cm or 2 inches</u>

> 60 inches ≈ 150 cm 150 - 145 = 5 (This is the difference in heights) 5cm ≈ 2 inches

3 pencils are laid in one long line on the table.

The first is 16cm, the second 8 inches, and the third 14cm. What is the total length of all 3 pencils, in inches? <u>20inches</u>

First you need to find the total length of pencils. Either make sure all your measurements are in cm or inches to add them together. I will choose cm (as then I only need to make one conversion)

> 8 inches ≈ 20cm 16 + 20 + 14 = 50cm 50cm ≈ <u>20inches</u>

Lesson 3



True

Tommy is 4 foot 7 inches tall pprox 140 cm.

Alex is 135 cm tall.

Use this fact to complete the conversions.



Use this fact to complete the conversions.



Jack's house has 3 pints of milk delivered 4 times a week. How many litres of milk does Jack have delivered each week?



He uses about 200 ml of milk every day in his cereal. Approximately, how many pints of milk does Jack use for his cereal in a week? 12 pints is approximately 6,816 millilitres, or 6.8 litres.

200 × 7 = 1,400 ml

1400 ÷ 568 = 2.46 pints

So Jack uses approximately 2 and a half pints.

Lesson 3 activity answers





<u>Lesson 4</u>

How many months / weeks / days are there in a year? 12/52/365 (or 366 in a leap year) How many hours / minutes / seconds are there in a day? 24/24 X 60 or 1440/1440 X 60 or 86,400

Can 21 days be written in weeks? Can 25 days be written in weeks? Explain your answers. Yes - 3 weeks as 7 days in a week of 21÷7 = 3; however 25 ÷ 3 = 3 remainder 4 Is 0.75 hours the same as 75 minutes? Why or why not? No. 0.75 is the same as ¾ . I hour is 60 minutes and ¾ of 60 is 45, so 0.75 of I hour is 45 minutes

Use the numbers to complete the statements.



	Three children are running a rad	ce.
Esin	Esin finishes the race in 2 minutes seconds.	; 5
60	Zach finishes the race in 195	Esin: 2 minutes and 5 seconds Zach: 3 minutes and 15
Zach	seconds.	seconds Leanna: 2 minutes and 25 seconds
Leanna	Leanna finishes the race in 145 seconds.	Esin finishes the race first.

Ron and Eva have known each other for 103 days.

For how many weeks and days have they known each other?



<u>Lesson 5</u>

False

Eva's next bus will be in 5 minutes so she will arrive

at the library at 15:00

Wood Lane	14:35	I 4:50
School	14:45	I 5:00
High Street	<mark> 4:50</mark>	<mark>15:05</mark>
Post Office	14:57	15:12
Library	15:00	15:15
Station	l5:05	I5:20



White

ere is a bus timetable.				
	Bus A	Bus B	Bus C	
Green Park Road	08:45	09:00	09:15	
Forrest Drive	09:05	09:20	09:35	
Summerville Street	09:22	09:37	09:52	
Penny Bridge	09:40	09:55		

- a) What time does Bus A arrive at Green Park Road?
- b) What time does Bus B arrive at Summerville Street?
- c) What time does Bus C arrive at Forrest Drive?

d)	Each bus	takes	the s	ame d	amount	of	time	tō	get	from
	Green Pa	rk Roo	id to	Penn	y Bridge	e.				

What time does Bus C arrive at Penny Bridge?

- 1	\sim	10	
- 1	U	10	
	-		

08:45

09:37

09:35

12-hour clock	24-hour clock
6.45am	06:45
11.00pm	23:00
12.01pm	12:01
1.03am	01:03
3.14pm	15:14

Here is an extract from a TV guide.

17	17:00 17:30 18:00		18	:30	19	:00	19	:30	20	:00				
	News	News Catch It! Giant George Wilson Street News Detective Files								ive Files				
	a) At what times is the news on? 7:00 and 9:15													
	b) What time does <i>Detective Files</i> start?								30					
	c) How long is Wilson Street on for?													

Here is part of a train timetable.

St Pancras	06:25	06:40	06:55	07:05	07:22
Stratford	06:32	06:47	07:02	07:12	07:29
Ebbsfleet	06:43	06:59	07:15	07:23	07:40
Ashford		07:19		07:42	
Gravesend	06:47	—	07:18	—	07:43

- a) How many of the trains go all the way from St Pancras to Gravesend?
- b) How long does the 06:40 take to get from St Pancras to Ashford?



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c) Which train takes the least amount of time to get from St Pancras to Gravesend?

