



1) Use the table to convert between these measurements.



1 foot	-	12 inches	3 feet	=	___ inches
1 pound (lb)	-	16 ounces	___ pounds	=	64 ounces
1 stone	-	14 pounds	6 stone	=	___ pounds
1 gallon	-	8 pints	___ gallons	=	16 pints
1 inch	≈	2.5cm	8 inches	≈	___ cm

2)



6 inches =
_____ foot



12 stone =
_____ pounds



2 pints =
_____ gallon

3)



22.5 cm =
_____ inches



9.5 pounds =
_____ ounces



$2\frac{1}{4}$ gallons =
_____ pints



- 1) Here are the heights of two different children. Remember that 1 inch is approximately 2.5cm.



Ava is the tallest. Do you agree with this statement? Explain your answer.



- 2) Here are the prices of apples at two different shops. Remember that 1 pound (lb) is 16 ounces.

At which shop are the apples better value for money? Explain how you know.

Frankie's Fresh Fruit	Alan's Apple Store
120 ounces of apples £4.50	8 lbs of apples £4.20

- 1) Ethan, Ibrahim, Kaylee and Shola are packing their suitcases for their holidays. Use the clues to work out who each suitcase belongs to.



Remember that 1 stone = 14 pounds.

28 lbs	$2\frac{1}{2}$ stone	$2\frac{3}{4}$ stone	32 lbs
Name: _____	Name: _____	Name: _____	Name: _____



Kaylee's suitcase has the greatest mass.



Ethan's suitcase has the smallest mass.







Ibrahim's suitcase is heavier than Shola's suitcase.



- 2) Ethan, Ibrahim, Kaylee and Shola are making fruit cocktails by choosing two of these different ingredients.

Remember:
1 gallon = 8 pints
1 pint = 570ml

Grapefruit 	Orange 
$\frac{1}{4}$ gallon = _____ pints ≈ _____ ml	$1\frac{1}{2}$ pints ≈ _____ ml
Pineapple 	Mango 
$\frac{1}{2}$ gallon = _____ pints ≈ _____ ml	$\frac{4}{5}$ pints ≈ _____ ml

- a) Use the conversion information to complete the table.
- b) Find the volume, in litres, of all the possible fruit juice pair combinations they can add to their mixing bowl. Example:

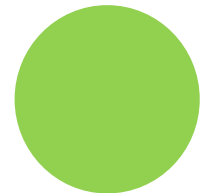
grapefruit + orange = _____

ANSWERS

1)	3 feet	=	32 inches
	4 pounds	=	64 ounces
	6 stone	=	84 pounds
	2 gallons	=	16 pints
	8 inches	=	20 cm

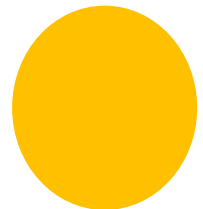
2) 6 inches = **0.5 or $\frac{1}{2}$** foot
12 stone = **168** pounds
2 pints = **0.25 or $\frac{1}{4}$** gallon

22.5 cm = **9** inches
9.5 pounds = **152** ounces
 $2\frac{1}{4}$ gallons = **18** pints



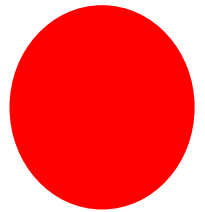
1) *Agree because 62 inches \approx 155cm which is 1cm taller than William who is 154cm.*

2) *Alan's Apple Store offers better value for money because 8lbs = 128 ounces, which is more apples for less money than Frankie's Fresh Fruit.*



1)

28 lbs	$2\frac{1}{2}$ stone (35 pounds)	$2\frac{3}{4}$ stone (38.5 pounds)	32 lbs
Name: <i>Ethan</i>	Name: <i>Ibrahim</i>	Name: <i>Kaylee</i>	Name: <i>Shola</i>



2) a) $\frac{1}{4}$ gallon = 2 pints = 1140ml

$1\frac{1}{2}$ pints = 855ml

$\frac{1}{2}$ gallon = 4 pints = 2280ml

$\frac{4}{5}$ pints = 456ml

b) *grapefruit + orange = 1.995l*

grapefruit + pineapple = 3.42l

grapefruit + mango = 1.596l

orange + pineapple = 3.135l

orange + mango = 1.31l

pineapple + mango = 2.736l