

Tuesday 13th July 2020

XIII VI MMXX

Hello my amazing mathematicians! We are going to begin with a maths brain teaser.

Maths Brain Teaser - 15

Can you use the digits 6, 6, 6, 6 and any of the following operations

$+$ $-$ \div \times

to make the answer 30?

$$6 \ 6 \ 6 \ 6 = 30$$

I wonder how long this took you to complete.

For the main task we are going to continue to work from the White Rose site. We are going learn about Imperial Units

Please let the video guide you when tackling the activity.

1. Copy or click on the link (press Ctrl then click) <https://whiterosemaths.com/homelearning/>

Then click Year 5

Summer Term Plans

White Rose Maths in partnership with the BBC Bitesize Daily team has developed a 12-week learning programme for the summer term. This scheme is designed to help children be ready for their next year of school.

[Click here for more details](#)

Hello there, Parents and Carers!

As schools worldwide close for now in response to COVID-19, you might be wondering how best to help your child or children with their studies at home.

Always happy to help, the White Rose Maths Team has prepared a series of five maths lessons for each year group from Year 1-8. We will be adding five more each week for the next few weeks. Every lesson comes with a short video showing you clearly and simply how to help your child to complete the activity successfully.

Early Years Year 1 Year 2

Year 3 Year 4 Year 5

Year 6 Year 7 Year 8

Year 9 Year 10 By Topic

Home Learning

- Summer Term
- Easter Fun
- Home Learning - Early Years
- Home Learning - Year 1
- Home Learning - Year 2
- Home Learning - Year 3
- Home Learning - Year 4
- Home Learning - Year 5
- Home Learning - Year 6
- Home Learning - Year 7
- Home Learning - Year 8
- Home Learning - Year 9
- Home Learning - Year 10

Click

First, watch the video to support your learning and use it to work on the activity sheets below.

Lesson 2 - Imperial units

Inches	Centimetres
1	2.5
2	5
4	10
8	20
12	30
20	50
24	<input type="text"/>
30	<input type="text"/>

Looking for the worksheets? Contact your school to check if they have a subscription to our worksheets. Alternatively, [read more here](#) or get some worksheets from [BBC Bitesize](#).



Imperial units

1

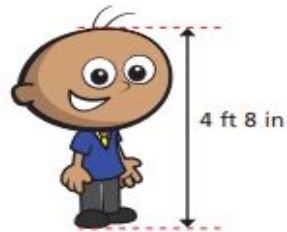
1 inch is approximately equal to 2.5 cm
1 inch = 2.5 cm

Use this fact to complete the conversions.

- | | |
|---|--|
| a) 2 inches = <input type="text"/> cm | e) <input type="text"/> inches = 7.5 cm |
| b) 4 inches = <input type="text"/> cm | f) 25 cm = <input type="text"/> inches |
| c) 5 inches = <input type="text"/> cm | g) <input type="text"/> inches = 22.5 cm |
| d) 0.5 inches = <input type="text"/> cm | h) 1 m = <input type="text"/> inches |

2

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



a) What is Tommy's height in inches?

inches

b) Approximately, how tall is Tommy in centimetres?

cm

3

1 kilogram is approximately equal to 2.2 pounds
1 kg = 2.2 lb

Use this fact to complete the conversions.

- | | |
|-------------------------------------|---------------------------------------|
| a) 2 kg = <input type="text"/> lb | e) <input type="text"/> kg = 22 lb |
| b) 4 kg = <input type="text"/> lb | f) 24.2 lbs = <input type="text"/> kg |
| c) 5 kg = <input type="text"/> lb | g) <input type="text"/> kg = 220 lb |
| d) 0.5 kg = <input type="text"/> lb | h) 2,500 g = <input type="text"/> lb |

4

A dog weighs 25 kg.



a) Approximately, what is the weight of the dog in pounds?

lb

b) There are 14 pounds in a stone.

Approximately, what is the weight of the dog in stones and pounds?

stone lb

5

1 pint is approximately equal to 568 millilitres
1 pint = 568 ml

Use this fact to complete the conversions.

- a) 2 pints = ml
- b) 4 pints = ml
- c) 5 pints = ml
- d) 0.5 pints = ml
- e) l = 5 pints
- f) 56.8 ml = pints
- g) pints = 56.8 l
- h) 20 pints = l

6

The capacity of a barrel is 11.36 l.

- a) Approximately, what is the capacity of the barrel in pints?



pints

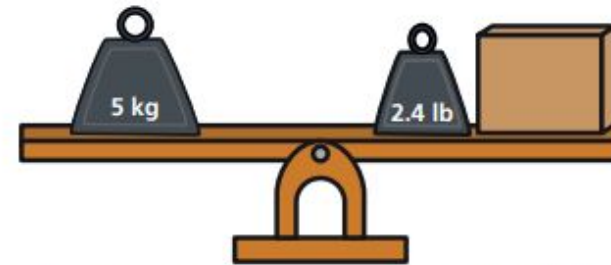
- b) There are 8 pints in a gallon.

Approximately, what is the capacity of the barrel in gallons?

gallons

7

A set of scales is balanced.



What is the weight of the box? Give your answer in pounds.

lb

8

A milkman delivers 50 pints of milk a day.

How many litres of milk does he deliver in a full week?

l

9

The average weight of a newborn baby is 7.5 lb.

Dora weighed 3.5 kg when she was born.

Did Dora weigh more or less than the average weight when she was born? _____

Approximately, how much more or less than the average did she weigh?

lb

Answers -

Imperial units

1

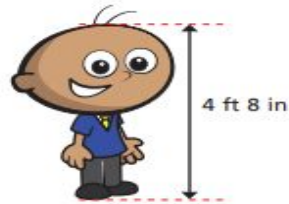
1 inch is approximately equal to 2.5 cm
 $1 \text{ inch} \approx 2.5 \text{ cm}$

Use this fact to complete the conversions.

- a) 2 inches = cm e) inches = 7.5 cm
b) 4 inches = cm f) 25 cm = inches
c) 5 inches = cm g) inches = 22.5 cm
d) 0.5 inches = cm h) 1 m = inches

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b) 4 kg = lb f) 24.2 lbs = kg
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d) 0.5 kg = lb h) 2,500 g = lb

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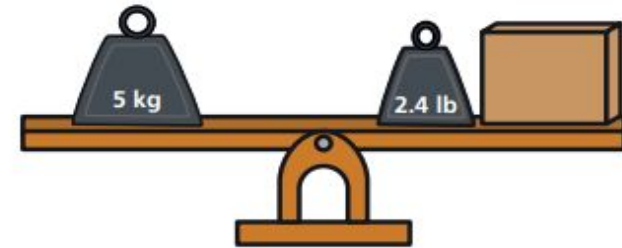
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more

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lb

Challenge answer

$$66 - (6 \times 6) = 30$$