

**WEEK: 16**

**Week Beginning: (06/07/20)**

**Subject: MATHS**

**Year: 6**

### **Lesson Objective:**

- Develop greater understanding about how to answer SATs reasoning questions
- Progress Check with a SATs paper 3

### **Class Worksheets**

- Assessment paper

### **Homework**

- Complex Fraction questions

### **Additional Notes**

- All lesson worksheets and **homework for next week (due Week 17)** worksheets can be found below
- Week 15 homework will be marked in lesson hence make sure it is fully complete

**Please print 2 a page or open this document during the lesson to save paper!**

## Assessment paper:

1

Write the missing number to make this **division** correct.

$$75 \div \boxed{\phantom{000}} = 7.5$$

1 mark

2

A group of friends earns £80 by washing cars.

They share the money **equally**.

They get £16 each.

How many friends are in the group?

1 mark

5

The children at Farmfield School are collecting money for charity.

Their target is to collect £360

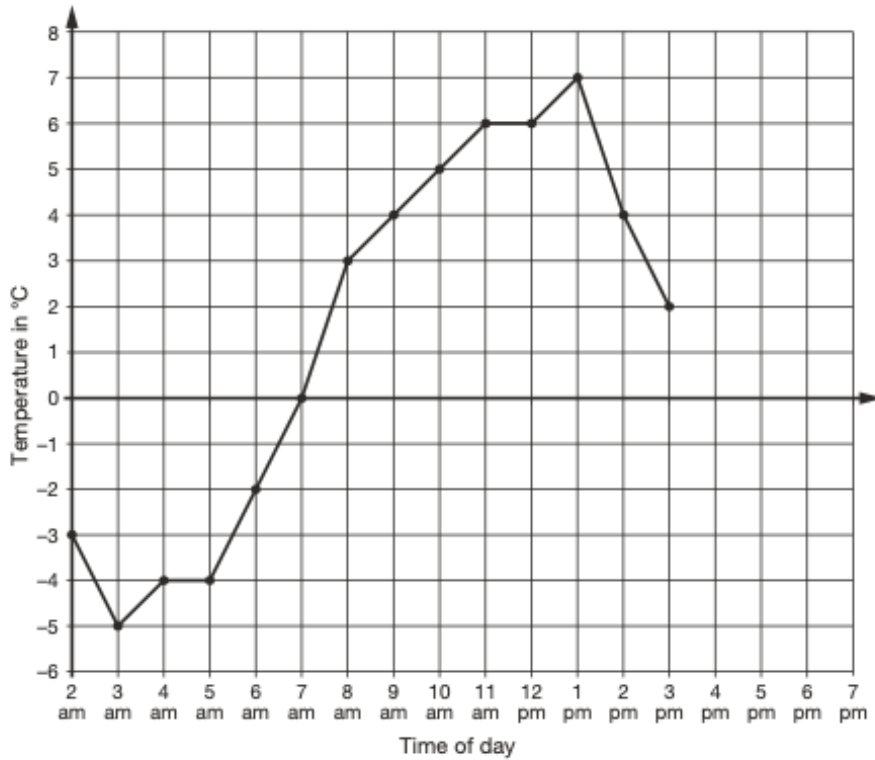
So far they have collected £57.73

How much **more** money do they need to reach their target?

1 mark

4

This graph shows the temperature in °C from 2 am to 3 pm on a cold day.



How many degrees **warmer** was it at 3 pm than at 3 am?

°C

1 mark

At 6 pm the temperature was 4 degrees lower than at 3 pm.

What was the temperature at 6 pm?

°C

1 mark

**6**

William wants to travel to Paris by train.

He needs to arrive in Paris by **5:30 pm**.Circle the **latest time** that William can leave London.

Leaves London	Arrives Paris
12:01	15:22
12:25	15:56
13:31	16:53
14:01	17:26
14:31	17:53
15:31	18:53
16:01	19:20

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1 mark**8**Write three factors of 30 that are **not** factors of 15

<input type="text"/>	<input type="text"/>	<input type="text"/>
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2 marks

**9**

Here is the morning timetable for Chen's class this week.

Time	Mon	Tue	Wed	Thu	Fri
9:00 am–10:30 am	Maths	English	Maths	English	Maths
10:30 am–11:00 am	Break	Break	Break	Break	Break
11:00 am–12:00 pm	English	Maths	Science	Maths	English

What is the **total** number of hours for **English** on this timetable? hours

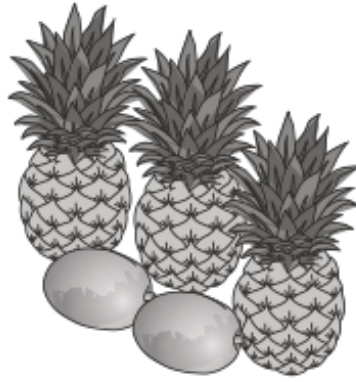
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1 mark

14

3 pineapples cost the same as 2 mangoes.

One mango costs £1.35



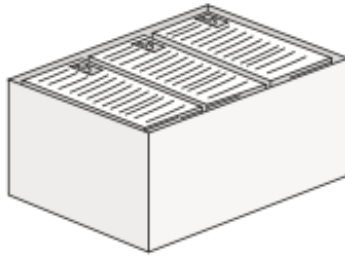
How much does **one** pineapple cost?

Show  
your  
method

Grid area for showing the method. Includes a small box with the symbol £.

2 marks

16



There are 2,400 leaflets in a box.

William and Ally take 450 leaflets each.

Adam and Chen share the rest of the leaflets equally.

How many leaflets does Adam get?

Show  
your  
method

2 marks

18

A **square** number and a **prime** number have a total of 22

What are the two numbers?

$$\begin{array}{c} \boxed{\phantom{00}} \\ \text{square} \\ \text{number} \end{array} + \begin{array}{c} \boxed{\phantom{00}} \\ \text{prime} \\ \text{number} \end{array} = 22$$

1 mark

**17**In each box, circle the number that is **greater**.

$1\frac{1}{2}$

1.2

$1\frac{1}{4}$

1.3

$1\frac{5}{100}$

1.4

$1\frac{3}{5}$

1.5

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2 marks**21**

The numbers in this sequence increase by the same amount each time.

Write the missing numbers.

1

$1\frac{5}{8}$

$2\frac{1}{4}$

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1 mark

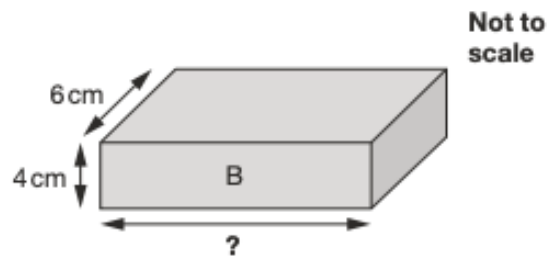
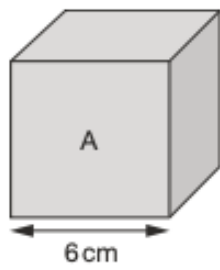
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1 mark



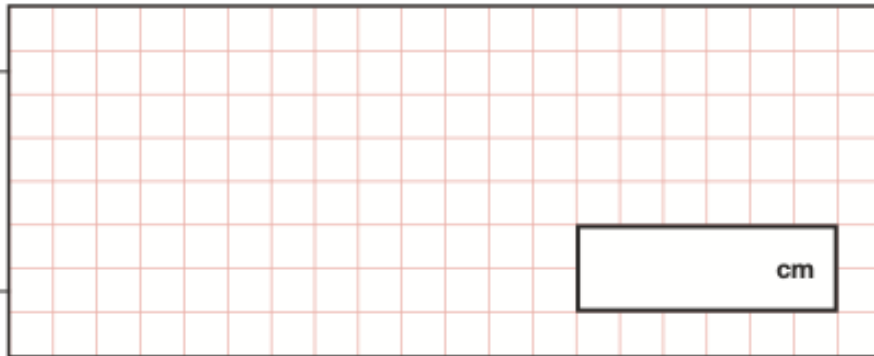
24

Cube A and cuboid B have the same volume.



Calculate the missing length on cuboid B.

Show  
your  
method



2 marks

## Homework Questions:

$$1. \frac{4}{14} + \frac{1}{8} + \frac{3}{7} = \quad 2. \frac{7}{9} - \frac{2}{8} =$$

3. For the school's sports day, a group of students prepared  $12\frac{1}{2}$  litres of lemonade. At the end of the day they had  $2\frac{5}{8}$  litres left over. How many litres of lemonade were sold?
4.  $3\frac{4}{6}$  mini-pizzas were left in the fridge; the children ate  $1\frac{1}{3}$  of them. How much pizza is left for the adults? Give your answer as a mixed number and as an improper fraction?
5. On Friday, Ron walks  $\frac{5}{6}$  km to school,  $\frac{3}{4}$  km to the shops and  $\frac{4}{5}$  km home. How far does he walk altogether?

$$1. \frac{2}{5} + \frac{1}{3} + \frac{5}{15} = \quad 2. \frac{9}{24} - \frac{2}{8} =$$

- Amir had a chocolate bar that was split into 28 equal pieces.
3. On Friday he ate  $\frac{2}{7}$  of the bar. On Saturday he ate  $\frac{4}{14}$  of the bar and he finished the chocolate bar on Sunday. What fraction of the chocolate bar did he eat on Sunday?
4. You give  $\frac{1}{3}$  of box of brownies to Ella and  $\frac{1}{6}$  of the pan of brownies to Nick. How much of the box of brownies did you give away?
5. Eva has a full tin of paint. She uses  $\frac{1}{3}$  of the tin on Friday,  $\frac{1}{21}$  on Saturday and  $\frac{2}{7}$  on Sunday. How much paint does she have left?