Problems of the Day 2020

Day 6

1 The table shows the ages of people in a theme park.

Age	Number of people
Under 18	126
18 - 60	195
Over 60	38

These are the entry costs.

How much money did the theme park make from entry costs?



2 Given that

△ + △ + ☆ + ☆ = 100

♡ + ♡ + △ + ☆ = 78

Work out the value of the ♡

3 What are the missing numbers?

□ × 10 = 42

□ ÷ 10 = 42

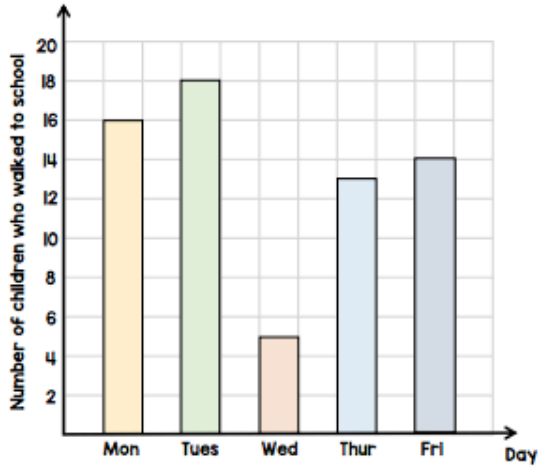
White Rose Maths

Show your working out:

Problems of the Day 2020

Day 7

1 There are 25 children in a class.
The bar chart shows the number of children in the class who walk to school each day.



(a) What percentage of the class walked to school on Thursday?

(b) One of the days it rained.
Which day do you think it was?
Explain to your friend.

2 Order the following numbers.
Start with the smallest.

3.1 $\frac{18}{5}$ $3\frac{1}{4}$

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Day 8

1 Workers in a factory make toys.

- On Monday they make 2,350 toys.
- On Tuesday they make 235 more toys than they did on Monday.

By Wednesday they have to make 7,500 toys in total.

How many toys do they need to make on Wednesday to make 7,500 in total?



2



Carrots
£1.80 per kg

How much does 250 g of carrots cost?

3



Parsnips
£2.60 per kg

How much does 300 g of parsnips cost?

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Problems of the Day 2020

Day 9

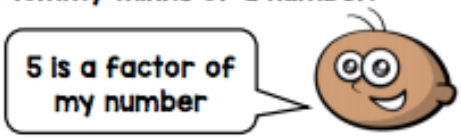
1 The cost of a pineapple is half the cost of a melon.



£3.50 each

How much does the pineapple and melon cost altogether?

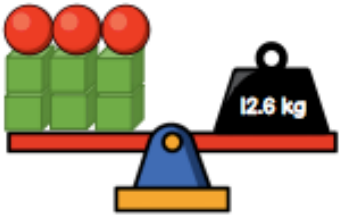
2 Tommy thinks of a number.



Does Tommy's number have to be odd? Explain your answer.

3 Gina balances some scales.





What is the mass of a cube?

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Problems of the Day 2020

Day 10

1 Here are some digit cards.

1	4	5	9

Find the 4-digit number that is closest to 5,000

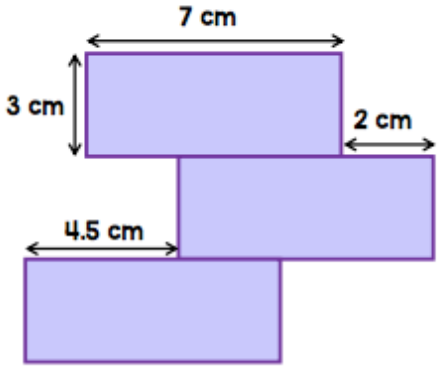
You may use each card only once.

2 Complete the number sentences.

$65 + \square = 79$

$83 + 28 = 82 + \square$

3 Three identical rectangles are arranged to make a shape.



What is the perimeter of the shape?

White Rose Maths

Show your working out: