w.b. 22/02/21

O LO: Can I complete one 'maths starter of the day' each morning to build up my problem solving and reasoning skills?

Below are five 'maths starter of the day' cards. Attempt one of them each morning this week. Do not worry if you do not finish every question on each card or do not understand certain ones. We will clarify any questions or confusion in the answer video on Friday. Do feel free to write a comment on any pictures of your work that you send in through Dojo about any of the areas that you found tricky with this task. Remember, you also have your KS2 maths study book to hand if you feel you need to look up an area from the cards below (e.g. fractions, percentages etc.).

Problems of the Day 2020

1 Fill in the missing numbers.

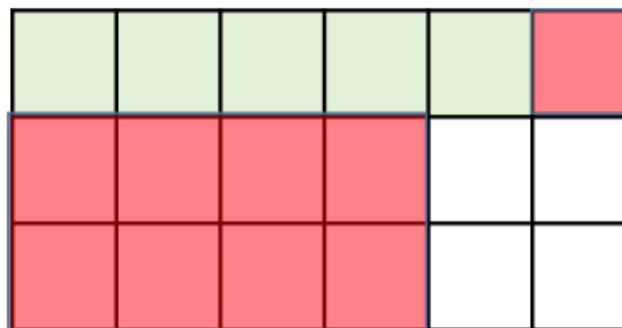100 less than 20,000 is ▢

▢ more than 20,000 is 20,600

2

25% of my number is 24

What number is Teddy thinking of?

3 Lucy shades in part of a rectangle.

She shades some more squares.

$\frac{7}{9}$ of the rectangle is now shaded.

How many more squares did Lucy shade?

White Rose Maths

1 Ron and Eva each make a 3-digit number from these digit cards.
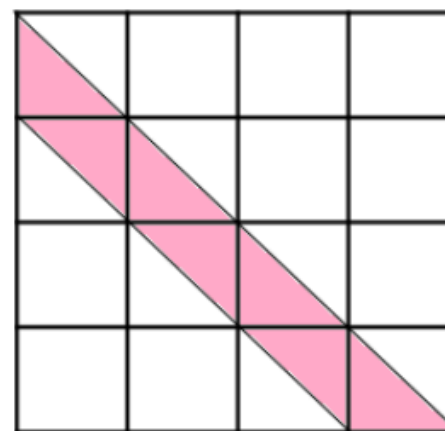
$$3 \quad 6 \quad 8$$

- Ron makes the largest even number possible.
- Eva makes the smallest odd number possible.

What is the difference between their numbers?

2 Circle all the fractions that are greater than 1 but less than 2

$$\frac{12}{5} \qquad \frac{12}{6} \qquad \frac{12}{7} \qquad \frac{12}{8}$$

3 What fraction of this shape is shaded?

Problems of the Day 2020

Day 3

1 Which of these numbers round to 2,000 to the nearest 100?

(1,950)   2,312   2,099   (2,045)

2 What are the missing numbers?

$6.4 = 1 + \boxed{}$

$3\dfrac{2}{5} = 1 + \dfrac{\boxed{}}{5}$

3 Annie has a 1 metre piece of wire. She cuts the wire into two pieces. She uses the smaller piece to make this rectangle.

14 cm

4 cm
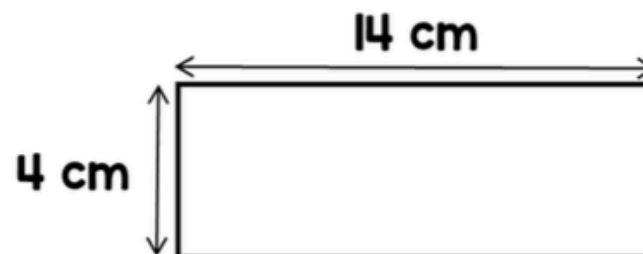
She uses the other piece of wire to make a square.

What is the length of one side of the square?

White Rose Maths

1 What are the missing digits?

$$3\boxed{} + \boxed{}5 = \boxed{1}\boxed{1}\boxed{1}$$
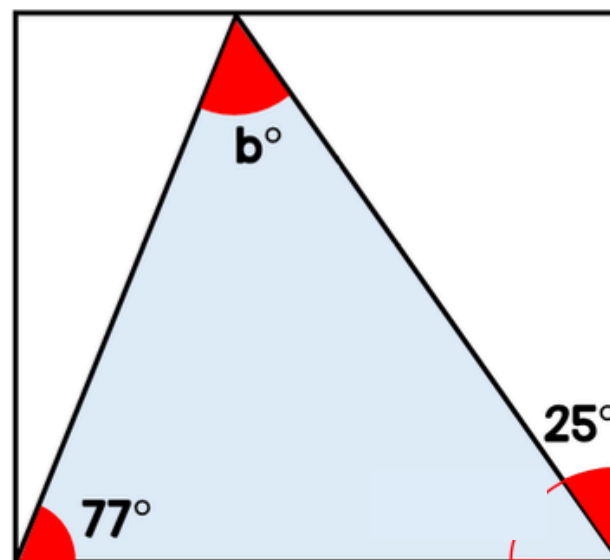
2 Annie and Ron each think of a number.

> I'm thinking of the number 6

The product of their numbers is 762
Work out Ron's number.

3 Find the size of angle b.

$b°$

$25°$

$77°$

Problems of the Day 2020

1 Marbles are put into bags of 10

- 67 bags of marbles are packed.
- 3 more marbles are added to each bag.

How many marbles are there in total now?

2 Work out the missing digits.

$$5 \times \boxed{} \times \boxed{} = 105$$

3 A toy train costs three times as much as a rocket.

The total cost of the train and rocket is £52

How much does the train cost?

White Rose Maths