Y6 Maths Problem Solving with Answers

1.

Fill in the missing numbers.

100 less than 20,000 is $\boxed{\text{19,900}}$

$\boxed{\text{600}}$ more than 20,000 is 20,600

2.
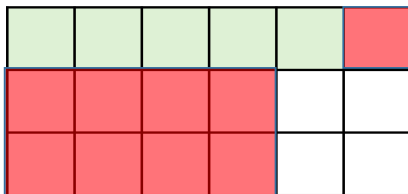
25% of my number is 24

What number is Teddy thinking of?

$24 \times 4 = 96$

Teddy is thinking of 96

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?

Lucy shades 9 more squares.

4.

Ron and Eva each make a 3-digit number from these digit cards.

$\boxed{3} \boxed{6} \boxed{8}$

- Ron makes the largest even number possible.   836
- Eva makes the smallest odd number possible.   683

What is the difference between their numbers?

$836 - 683 = 153$

5.

Circle all the fractions that are greater than 1 but less than 2
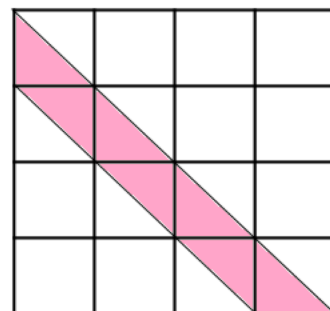
$\frac{12}{5}$ $\frac{12}{6}$ $\boxed{\frac{12}{7}}$ $\boxed{\frac{12}{8}}$

6.

What fraction of this shape is shaded?

$\frac{7}{32}$

7.

Which of these numbers round to 2,000 to the nearest 100?
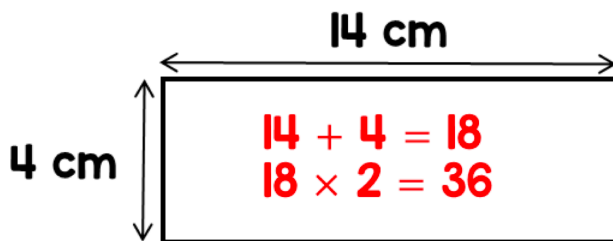
(1,950)   2,312   2,099   (2,045)

8.

What are the missing numbers

$6.4 = 1 +$ **5.4**

$3\dfrac{2}{5} = 1 + \dfrac{\mathbf{12}}{5}$

9.

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

14 + 4 = 18
18 × 2 = 36

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

What is the length of one side of the square?

100 − 36 = 64
64 ÷ 4 = 16

One side of the square is 64 cm.

White Rose Maths