

PERSE GIRLS SENIOR SCHOOL



MATHEMATICS

Year 7 PRACTICE ENTRANCE TEST 2

TIME: 30 MINUTES

This question paper is based on the Key Stage 2 curriculum up to year 5. It is designed to give an indication of the type of questions that are set, but cannot be exhaustive.

Extension opportunities will be offered on the written paper and during the review with a member of staff.

Name _____

Instructions to candidates

Answer as many questions as you can.

Write your answers in the spaces provided on the question paper.

Show **all your working** on this paper.

Calculators must NOT be used.

1. a) Add together 52, 4604, 7, 287 b) Subtract 536 from 4813

Ans a) _____

Ans b) _____

- c) Multiply 56 by 38

- d) Divide 4501 by 7

Ans c) _____

Ans d) _____

2. a) Write down thirty one thousand three hundred and two in figures

Ans a) _____

- b) What is the value of the 3 in 13830

Ans b) _____

3. Find the next two numbers in the sequence 7, 11, 15, 19, __, __

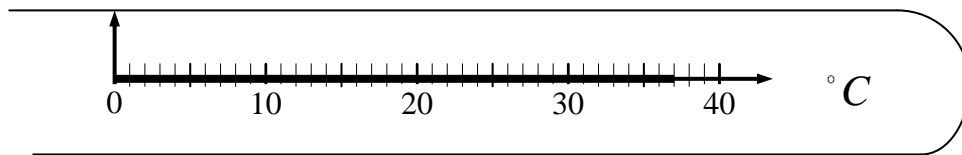
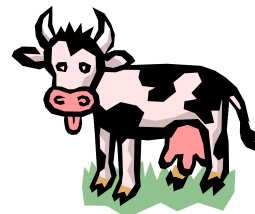
4. Complete the shopping bill

3 bottles cola at £ 1.13 per bottle	£
2½ kg potatoes at 30p per kg	£
Total	£



5. Maggie, the cow, is ill

The vet takes her temperature in the morning.



What temperature does the thermometer show?

Ans _____

6. This is a recipe for making Tuna Bake for 4 people.

<p><u>Tuna Bake</u> Ingredients for 4 people</p> <p>400 g tuna 400g mushroom soup 100g grated cheese 4 spring onions (chopped) 250g breadcrumbs</p>
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a) Hermione makes Tuna Bake for 10 people.
How many grams of breadcrumbs did she use?

Ans _____

b) Kevin uses 1200 g of tuna.
How many people was he cooking for?

Ans _____



7. A party of 94 people go on a day trip to a local castle.
They travel by minibus.
Each minibus holds 8 people.

a) How many minibuses are needed for the trip?

Ans _____

b) How many spare seats are there?

Ans _____

8. Tom went into a shop at 09.53 a.m.
He came out of the shop at 10.02 a.m.

a) For how many minutes was Tom in the shop?

Ans _____

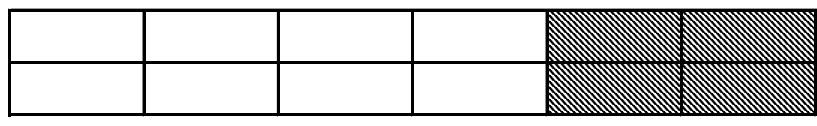
$\frac{4}{9}$ of the next 45 customers were women

b) Work out how many women this is.

Ans _____

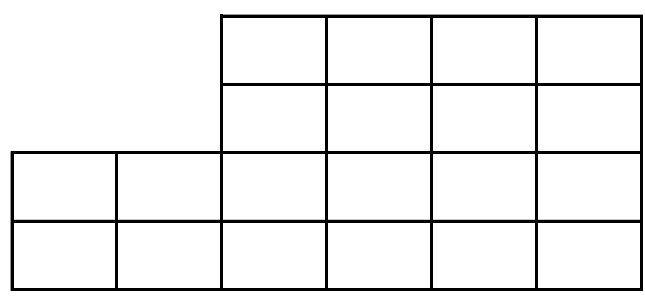


9. a) What fraction of the shape below is shaded, you should simplify your fraction.



Ans _____

b) Shade $\frac{2}{5}$ of this shape



10. I thought of a number, multiplied it by 7 and added 5. The answer was 166. What was the number I thought of?

Ans _____

11. Fill in the spaces to make all these fractions equal

$$\frac{2}{3} = \frac{\quad}{12} = \frac{10}{\quad} = \frac{\quad}{48}$$



12. Sushra designs and makes jewellery. She sells her jewellery at markets. The table show her profits in £ for one week.

	Rings	Earrings	Brooches
Monday	0.96	3.42	1.8
Tuesday	0.43	1.8	2.26
Wednesday	0.05	6.78	3.54
Thursday	5.67	4.07	1.23
Friday	3.69	4.52	0.77
Saturday	1.94	0.66	1.05

a) On which day did she make the greatest profit on brooches?
 Ans _____

b) What was her total profit on Friday?
 Ans _____

13. Write this list of five numbers in order of size
 Start with the **smallest first**

3.104, 3.41, 3.014, 3.4, 3.14

Ans _____

14. Amman and Basil buy a CD for £ 18.00. Amman pays 75 % of the cost.
 How much do they each pay?

Amman £ _____
 Basil £ _____

15. $34 \times 168 = 5712$

Use this information to help you work out

a) 34×1680

Ans a) _____

b) 17×168

Ans b) _____

16.

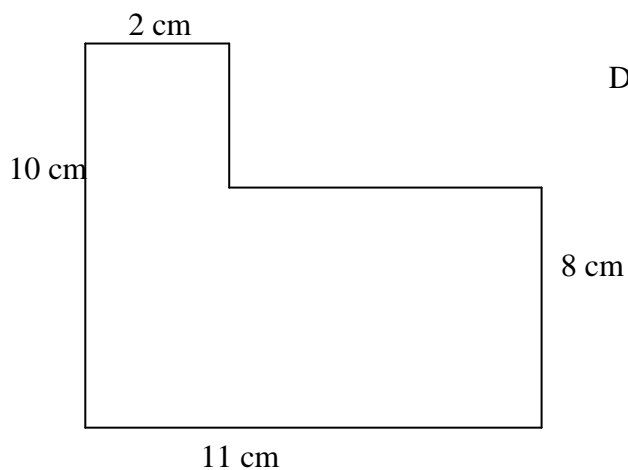


Diagram NOT drawn to scale

Find the perimeter of this shape

Ans _____

The End