7+ St. Paul's Juniors
PAPER 9

© 2024 PREPPLUS LTD | All rights reserved |info@prepplus.co.uk | www.prepplus.co.uk

MENTAL MATHEMATICS

Listen carefully to the questions. One mark is awarded for each correct answer.

Section 1: You have 5 seconds to answer each question. (10)

1) _____ 2) _____ 3) _____

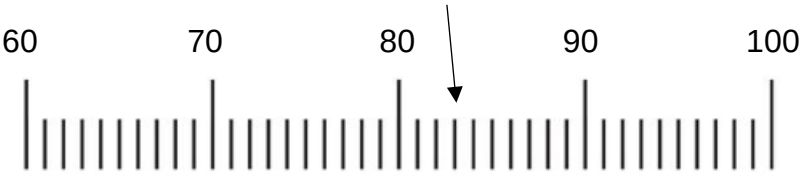
4) _____ 5) _____ 6) _____

7) _____ 8) _____ 9) _____

10) _____

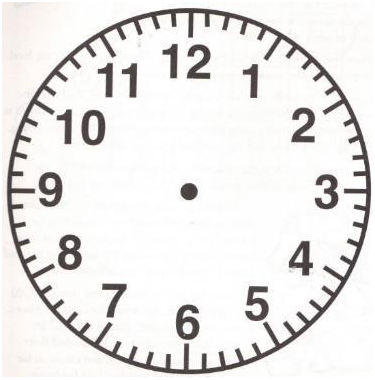
Section 2: You have 10 seconds to answer each question. (5)

1)_____ 2) _____

3) 

_____

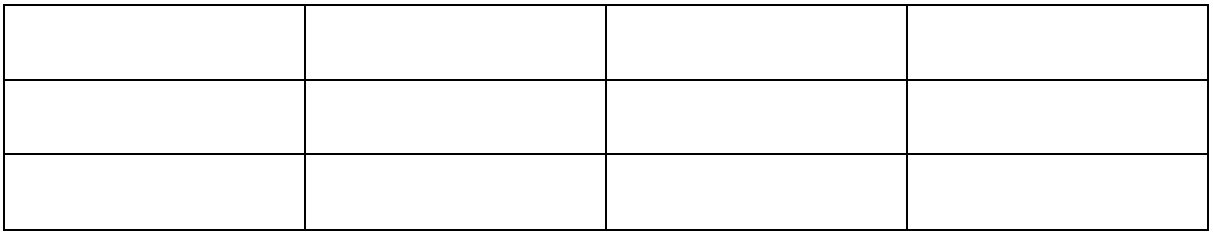
4) 21 , 22 , 24 , 27 , 31 ,_____, _____

5) 

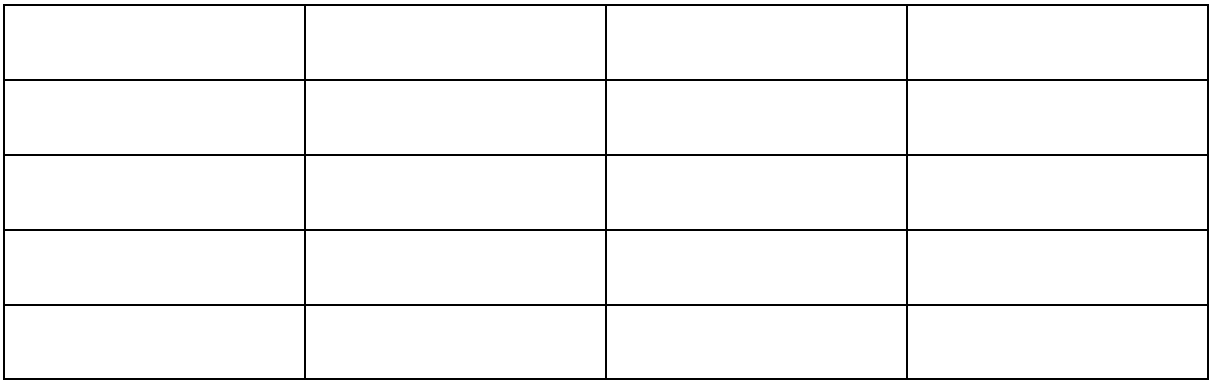
© 2024 PREPPLUS LTD | All rights reserved | info@prepplus.co.uk | www.prepplus.co.uk

SECTION 3

1) a. Shade in $\frac{3}{4}$ of this shape: (3)



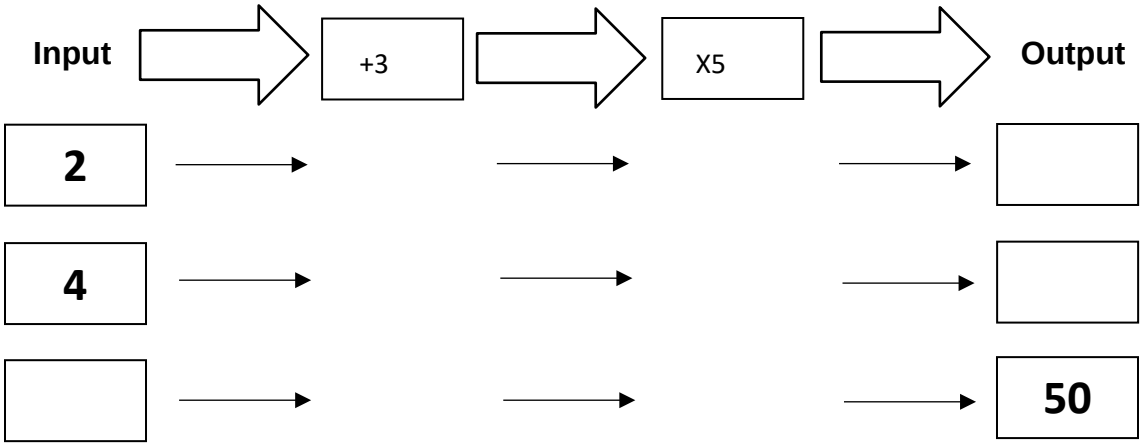
b. Shade in $\frac{2}{5}$ of this shape:



c. Which is bigger: $\frac{1}{5}$ or $\frac{2}{4}$?

© 2024 PREPPLUS LTD | All rights reserved | info@prepplus.co.uk | www.prepplus.co.uk

2) Work out the missing inputs and outputs for each question on the machine.



3)

Answer_____

4)

Answer_____

© 2024 PREPPLUS LTD | All rights reserved | info@prepplus.co.uk | www.prepplus.co.uk

5)

Answer_____

6)

Look carefully at the train timetable and answer the questions that follow.

Train Station	Time Departing
Ferry Meadows	08:16
Gregory Junction	08:32
Stevens Road	08:57
Lily Way	09:03
Daybrook Lane	09:21
Buttermere Halt	09:35

a.

Answer_____

© 2024 PREPPLUS LTD | All rights reserved | info@prepplus.co.uk | www.prepplus.co.uk

b.

Answer_____

c.

Answer_____

7)
a.

Answer_____

© 2024 PREPPLUS LTD | All rights reserved | info@prepplus.co.uk | www.prepplus.co.uk

b.

Answer_____

c.

Answer_____

8)
a.

Answer_____

© 2024 PREPPLUS LTD | All rights reserved | info@prepplus.co.uk | www.prepplus.co.uk

b.

Answer_____

c.

Answer_____

9)
a.

Answer_____

© 2024 PREPPLUS LTD | All rights reserved | info@prepplus.co.uk | www.prepplus.co.uk

10)

Answer_____

11)

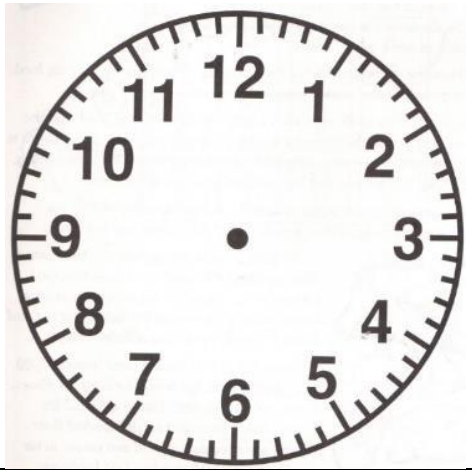
10p:_____ 5p: _____

12)

Answer_____

© 2024 PREPPLUS LTD | All rights reserved | info@prepplus.co.uk | www.prepplus.co.uk

13)



14)

Answer_____

15)

Answer_____

© 2024 PREPPLUS LTD | All rights reserved | info@prepplus.co.uk | www.prepplus.co.uk

16)

Answer_____ minibuses

17)

Answer_____ and _____

18) Complete the magic square by working out the magic number. Using any of the numbers between 1-8 only once, fill in the magic squares so that the sum of each row, column and diagonal adds up to the magic number.

5	0	
		2
1	8	3

Answer_____

© 2024 PREPPLUS LTD | All rights reserved | info@prepplus.co.uk | www.prepplus.co.uk

© 2024 PREPPLUS LTD | All rights reserved | info@prepplus.co.uk | www.prepplus.co.uk