8 + Entrance Examination

Paper 4

Numeracy / Maths

Total marks: 81

Time allowed: 40 minutes

Full name .....

Prepared and copyrighted by Owl Tutors.
Access more free papers or upgrade to full exam packs. Good luck!

1. **Circle the number which has the highest number of 10s:** (2 marks)

   a. 121 132 101

   b. 136 651 276

2. **Put the following symbols = (equal to), > (greater than), < (less than) between these numbers and fractions:** (6 marks)

   a. 5321 ☐ 5213

   b. 1013 ☐ 1031

   c. $\frac{1}{8}$ ☐ $\frac{1}{2}$

   d. $\frac{2}{4}$ ☐ $\frac{1}{2}$

   e. £2.50 ☐ 225p

   f. 123cm ☐ 1.23m

Prepared and copyrighted by Owl Tutors.
Access more free papers or upgrade to full exam packs.

3. **Write your answers on the line. You can show your working, on the right hand side.** (5 marks)

   a. 145 + 294 = _____

   b. 606 - 25 = _____

   c. 34 + _____ = 50 + 28

   d. _____ - 25 = 50 + 25

   e. 45 + 67 + 121 = _____

4. **Miss Green is taking her class for PE. She splits the children into 5 groups and there are 7 children in each group. How many children are in the class?**

   _____ (2 marks)

5. **David has 33 sweets. He eats one third of them. How many sweets does David have left?**

   _____ (2 marks)

Prepared and copyrighted by Owl Tutors.
Access more free papers or upgrade to full exam packs.

6. **Write your answers on the line. You can show your working, on the right hand side.** (6 marks)

   a. 6 x 8 = _____

   b. 21 x 0 = _____

   c. _____ = 32 x 7

   d. 4500 ÷100 = _____

   e. 45 x 10 = _____

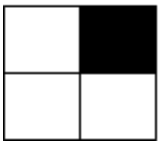
   f. 6 x 3 = _____ ÷10

7. **Multiply forty by three and then divide your answer by four.**

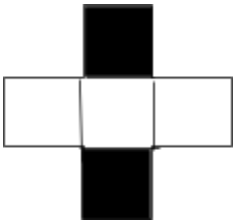
   _____ (2 marks)

Prepared and copyrighted by Owl Tutors.
Access more free papers or upgrade to full exam packs.

8. **What fraction of each of these shapes is shaded?** (3 marks)







a. _____ b. _____ c. _____

9. **An Easter basket can hold 12 eggs. How many baskets will we need to hold 36 eggs?**

_____ (2 marks)

10. **Sahil had £64 and spent half of his money on a new computer game. He then gave £8 to his brother. How much money does Sahil have left?**

_____ (2 marks)

Prepared and copyrighted by Owl Tutors.
Access more free papers or upgrade to full exam packs.

11. Use the written method of division to answer the question below. Write your final answer on the line under the question.

$$6\sqrt{138}$$

_____ (2 marks)

12. Bella scores 768 points on a computer. Jess scores 277 fewer points than Bella. How many points does Jess score?

_____ (2 marks)

13. Write $\frac{20}{25}$ in its simplest form.

_____ (1 mark)

14. In each row, work out what is missing and write your answer on the line:
(5 marks)

a. 36, 42, 48, 54, ____, _____

Prepared and copyrighted by Owl Tutors.
Access more free papers or upgrade to full exam packs.

b. 76, 72, 68, 64, _____, _____

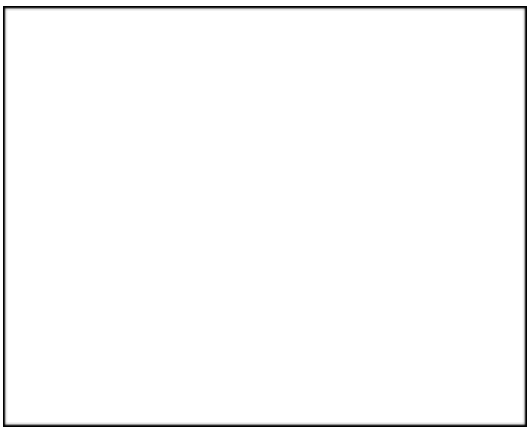
c. 169, 179, 189, 199, ____, _____

d. 3, 4, 6, 9, 13, ____, _____

e. 3.30pm, 4.00pm, 4.30pm, 5.00pm, _____, _____

15. This magic wand turns three quarter-turns clockwise. In the space provided draw the position of the wand now. (1 mark)





16. Use a ruler to measure the two lines below. How much longer is line A than line B? Round your answer to the nearest whole number.

_____ cm (2 marks)

Line A _____

Line B _____

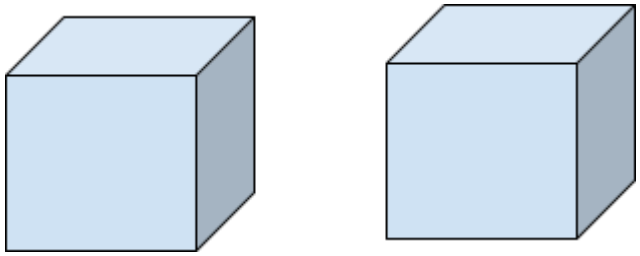
Prepared and copyrighted by Owl Tutors.
Access more free papers or upgrade to full exam packs.

17. Jim has 36 sweets. He gives $\frac{1}{3}$ of the sweets to his friend. (2 marks)

a. How many sweets does Jim give to his friend? _____

b. How many sweets does Jim have left? _____

18. What is the total combined number of square faces on these two cubes?



_____ (2 marks)

19. Use two of these numbers below each time to make an answer of 48. (You may use a number more than once). (4 marks)

6 42 90 8 96 2

a. _____ + _____ = 48

b. _____ - _____ = 48

c. _____ x_____ = 48

Prepared and copyrighted by Owl Tutors.
Access more free papers or upgrade to full exam packs.

d. _____ ÷_____ = 48

20. Round 1354: (3 marks)

a. To the nearest 10 _____

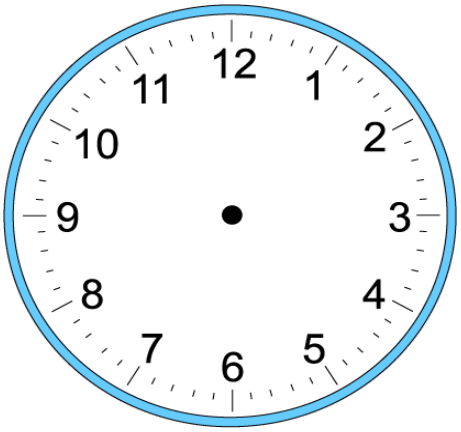
b. To the nearest 100 _____

c. To the nearest 1000 _____

21. Charlie cycled 4.5 kilometres. How far has he cycled in metres?

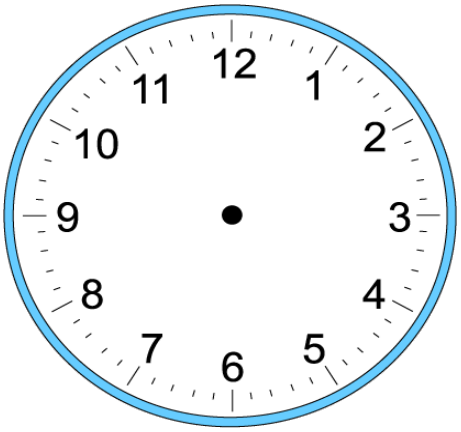
_____ (2 marks)

22. Alex wakes up at 7.45. Draw hands on the clock face to show this time. (1 mark)



Prepared and copyrighted by Owl Tutors.
Access more free papers or upgrade to full exam packs.

23. **Alex goes to bed at 21.30. Draw hands in the clock face to show this time.** (1 mark)



24. **Mya has £15 more than Jake. Beth has £9 less than Mya. Jake has £21. How much money does Beth have?**

_____ (2 marks)

25. **Sidney goes to the cinema. His ticket costs £4.25. If he pays with a £10 note, how much change does he receive?**

_____ (2 marks)

Prepared and copyrighted by Owl Tutors.
Access more free papers or upgrade to full exam packs.

26. **The children are playing a game at a party. There are 4 teams and 6 children in each team. If there are 2 children sitting out of the game, how many children are at the party altogether?**

_____ (2 marks)

27. **The farmer works in the field from 8.30am to 1.30pm. He takes two breaks of ten minutes each. For exactly how long was the farmer working in the field? Give your answer in hours and minutes.**

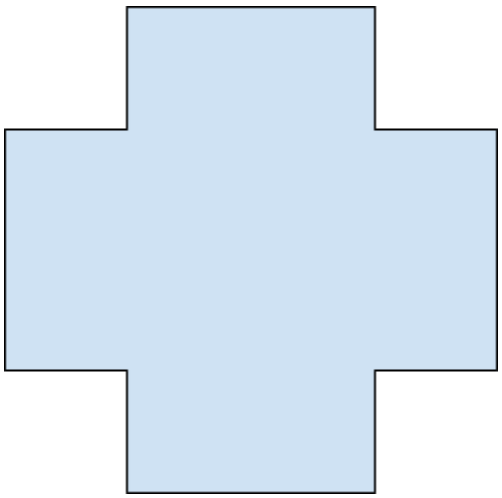
_____ (2 marks)

28. **Maria ran the first leg of a relay race in 120 seconds. Julia ran the second leg in 80 seconds and Ellie ran the third leg in 50 seconds. How long did the race take the girls altogether? Give your answer in minutes and seconds.**

_____ (2 marks)

Prepared and copyrighted by Owl Tutors.
Access more free papers or upgrade to full exam packs.

29. Find and draw all the lines of symmetry on this shape. (4 marks)



30. Harriet and Eddie went to the shop. They each had £10 to spend.

Yo-yo £2.25	Pen £1.60	Toy giraffe £2.50	Sweets 85p

a. Harriet bought one of each item. How much did she spend in total?

_____ (2 marks)

b. Eddie bought 2 pens, 1 yo-yo and 2 packets of sweets. Will he have enough money for a toy giraffe? Show your working out.

_____ (2 marks)

Prepared and copyrighted by Owl Tutors.
Access more free papers or upgrade to full exam packs.

31. Convert the following: (3 marks)

a. How many centimetres (cm) are in $1\frac{1}{2}$ metres? _____

b. How many grams (g) are there in 3.5 kilograms? _____

c. How many metres (m) are there in $2\frac{1}{4}$ kilometres? _____

Prepared and copyrighted by Owl Tutors.
Access more free papers or upgrade to full exam packs.

8 + Entrance Examination
Paper 4
Mathematics Marking Scheme

Total marks: 81

For questions where two marks are available, one mark should be awarded for a correct answer, and one mark given for showing working.

1.
   a. 132
   b. 276

2.
   a. >
   b. <
   c. <
   d. =
   e. >
   f. =

3.
   a. 439
   b. 581
   c. 44
   d. 100
   e. 233

4. 35
5. 22

6.
   a. 48
   b. 0
   c. 224
   d. 45
   e. 450
   f. 180

Prepared and copyrighted by Owl Tutors.
Access more free papers or upgrade to full exam packs.

7. 30

8.
   a. $\frac{1}{4}$
   b. $\frac{2}{3}$
   c. $\frac{2}{5}$

9. 3
10. £24
11. 23
12. 491
13. $\frac{4}{5}$

14.
   a. 60, 66
   b. 60, 56
   c. 209, 219
   d. 18, 24
   e. 5.30pm, 6.00pm

15. 

16. Allow answers between 3.7cm and 3.5cm.
17.
   a. 12
   b. 24

18. 12

19.
   a. 42 + 6 = 48

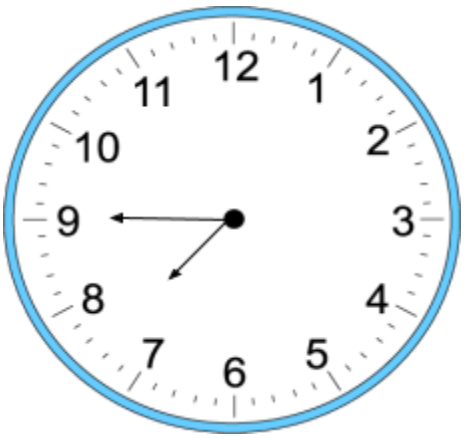
Prepared and copyrighted by Owl Tutors.
Access more free papers or upgrade to full exam packs.

b. 90 - 42 = 48
c. 6 x 8 = 48
d. 96 ÷ 2 = 48

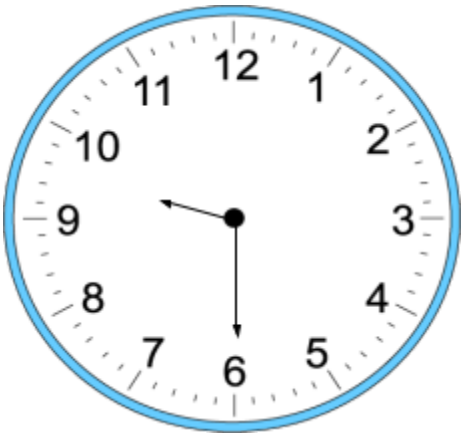
20.
a. 1350
b. 1400
c. 1000

21. 4500m

22.



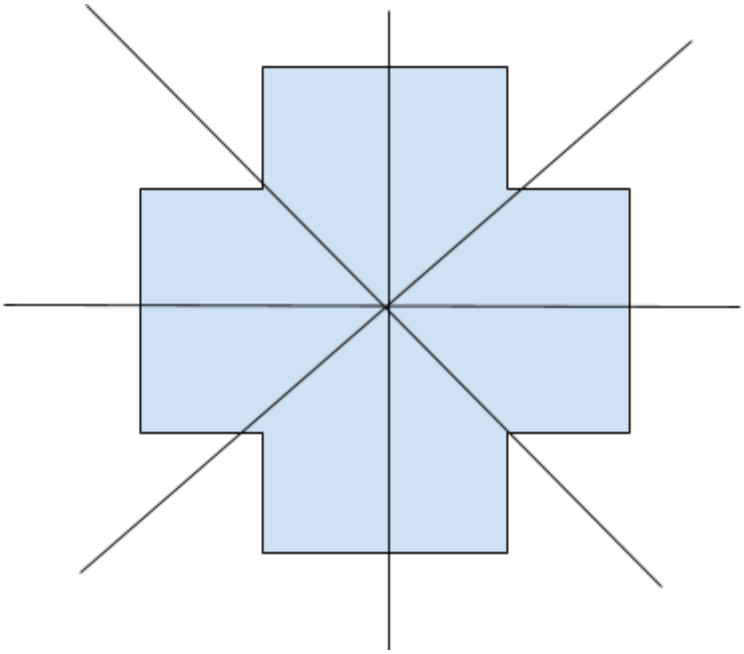
23.



24. £27
25. £5.75
26. 26

Prepared and copyrighted by Owl Tutors.
Access more free papers or upgrade to full exam packs.

27. 4 hours 40 minutes
28. 4 minutes 10 seconds
29.



30.
   a. £7.20
   b. Yes, he will have £2.85 left to buy the giraffe (workings should show £10 - £7.15)

31.
   a. 150cm
   b. 3500g
   c. 2250m

We hope you found this exam paper useful. All papers are developed and written by our experienced qualified teachers. If you need further support please reach out to enquiries@owltutors.co.uk and we will be happy to help.

Prepared and copyrighted by Owl Tutors.
Access more free papers or upgrade to full exam packs.