

## Whole Number Multiplication and Division Exam Practice



### Multiplication

1. Calculate  $32 \times 95$  showing full working.

Answer: \_\_\_\_\_  
(2 marks)

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2. Evaluate  $156 \times 78$  showing your method clearly.

Answer: \_\_\_\_\_  
(2 marks)

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3. Determine the value of  $8 \times 5623$  showing clear working.

Answer: \_\_\_\_\_  
(2 marks)



## Division

4. Calculate  $792 \div 33$  showing your method.

Answer: \_\_\_\_\_  
(2 marks)

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5. Evaluate  $885 \div 15$  showing clearly each step of your calculation

Answer: \_\_\_\_\_  
(2 marks)

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6. Determine the value of  $3312 \div 33$  showing clear method at every stage.

Answer: \_\_\_\_\_  
(2 marks)



**Special Cases:**

7. Calculate  $25 \times 84$  showing full working.

Answer: \_\_\_\_\_  
(2 marks)

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8. Calculate  $25 \times 128$  showing full working.

Answer: \_\_\_\_\_  
(2 marks)

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9. Calculate  $56 \times 99$  showing full working.

Answer: \_\_\_\_\_  
(2 marks)



10. Calculate  $3200 \div 25$  showing full working.

Answer: \_\_\_\_\_  
(2 marks)

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11. Calculate  $7000 \div 25$  showing full working.

Answer: \_\_\_\_\_  
(2 marks)

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12. Calculate  $41 \times 39$  showing full working.

Answer: \_\_\_\_\_  
(2 marks)



## Using a given Calculation to Find Another

13. Given that  $45 \times 68 = 3060$ , work out:

(i)  $4500 \times 680$

Answer: \_\_\_\_\_  
(1 mark)

(ii)  $30600 \div 450$

Answer: \_\_\_\_\_  
(1 mark)

14. Given that  $366 \times 95 = 34770$ , work out:

(i)  $3.66 \times 95000$

Answer: \_\_\_\_\_  
(1 mark)

(ii)  $34770 \div 183$

Answer: \_\_\_\_\_  
(2 marks)

(iii)  $3477000 \div 732$

Answer: \_\_\_\_\_  
(2 marks)



## Applied Mixed Practice Problems

15. Tom sells cakes for 30p each at the College Fair.  
At the end of the day, he has sold 15 cakes.  
How much money did he make?

Answer: \_\_\_\_\_  
(2 marks)

16. Paul and his 5 brothers share a tub of “Salutations” sweets.  
There are 144 sweets in the tub.  
How many sweets do they get each?

Answer: \_\_\_\_\_  
(2 marks)

17. The latest model of car down at the showroom will go for 44 miles  
on a gallon of petrol.  
Mr Smythe will be driving 750 miles next week whilst on holiday.  
How many gallons of petrol will he need to complete his journey?

Answer: \_\_\_\_\_  
(3 marks)



18. Josh is a local artist, and is selling his paintings of the seashore for £15 each. He wants to earn £2000 by the end of the summer. How many paintings will he need to sell to achieve his aim?

Answer: \_\_\_\_\_  
(3 marks)

19. Kate has 7 rabbits. Each rabbit eats 3 carrots a day. Carrots are sold in bags of 15. How many bags of carrots will she need to buy to feed the rabbits for year?

Answer: \_\_\_\_\_  
(4 marks)

20. For the new restaurant at Pickering, there will be six chairs around each table. There will be 14 tables in total in the restaurant. The manager is also opening two other identical branches in Burnley and Redcar. How many chairs will they have to buy in total to set up the three restaurants?

Answer: \_\_\_\_\_  
(3 marks)



21. Emma wants to cover her living room in a new carpet, which costs £4.30 per  $\text{m}^2$ .  
The total area of her living room is  $18 \text{ m}^2$ . What is the cost of her new carpet?

Answer: \_\_\_\_\_  
(2 marks)

22. Pizzas can be cut into 8 slices. How many pizzas need to be bought to feed 300 students?

Answer: \_\_\_\_\_  
(2 marks)

23. Sid runs a local DIY store, and is currently ordering supplies of light-bulbs. The light-bulbs come in packs of 20. Sid decides to order 350 packs. How many light-bulbs will he have in stock?

Answer: \_\_\_\_\_  
(2 marks)