

GCSE Mathematics Foundation Tier

Practice Paper (Mixed) - 22 Questions

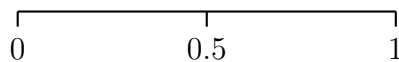
Time allowed: 1 hour 30 minutes

Answer all questions. Show all working out. Calculators may be used.

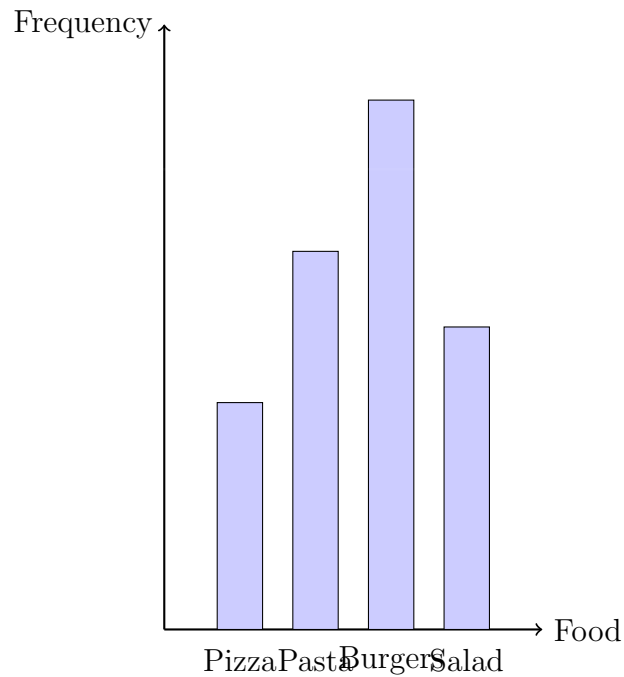
1. Write down the value of 9×7 . (1 mark)
2. Simplify: $5x + 3x - 2$. (1 mark)
3. Round 4568 to the nearest hundred. (1 mark)
4. Work out: $45 \div 9 + 16$. (2 marks)
5. Express 0.4 as a fraction in its simplest form. (2 marks)
6. A chocolate bar costs £1.35. How much do 4 bars cost? (2 marks)
7. Solve: $3y + 5 = 20$. (2 marks)
8. Expand: $(x + 4)(x + 2)$. (2 marks)
9. A rectangle measures 8 cm by 3 cm.



- Find: (a) its perimeter, (b) its area. (3 marks)
10. The probability of picking a red counter from a bag is $\frac{3}{10}$. What is the probability of not picking a red counter? (1 mark)
 11. A fair coin is spun. On the probability scale below, mark the probability of landing on heads.

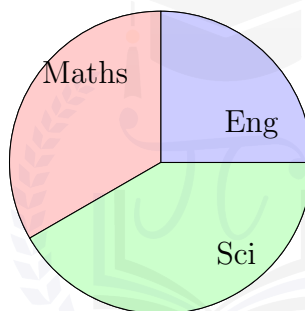


- (1 mark)
12. Convert 2.4 kg into grams. (1 mark)
 13. Solve: $2x - 7 = 11$. (2 marks)
 14. Draw the bar chart for the data: Pizza=3, Pasta=5, Burgers=7, Salad=4.



(3 marks)

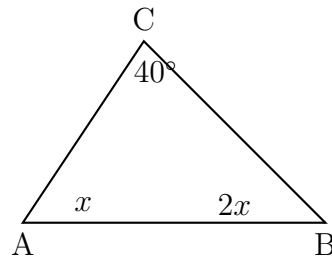
15. The pie chart shows students' favourite subjects. 90° = English, 120° = Maths, the rest = Science.



What fraction chose Science?

(2 marks)

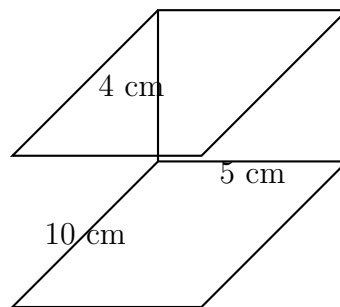
16. A straight line passes through (0,2) and (2,6). Find its gradient. (2 marks)
17. A group of 20 students take a test. Their mean score is 12. What is the total of their scores? (1 mark)
18. A student rolls a fair die. Work out the probability of getting: (a) an even number
(b) a number greater than 4. (3 marks)
19. The angles in a triangle are x , $2x$, and 40.



Find x .

(3 marks)

20. A cuboid has edges 4 cm, 5 cm, and 10 cm.



Work out its volume.

(2 marks)

21. A circle has radius 4 cm. Find its area. ($\pi = 3.14$)

(2 marks)

22. Solve the inequality: $2x + 3 < 11$.

(2 marks)

