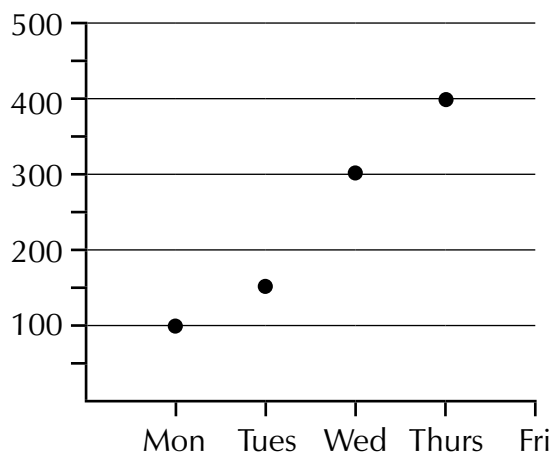1. What is the value of the numeral 6 in the number 3,168,024?

   _____

2. 70,160 + 3,159 + 28 = _____

3. 500,000 – 24,600 = _____

   The graph shows the number of passengers collected by bus between Monday and Thursday. The numbers have been rounded to the nearest 50.

4. How many passengers altogether were collected? _____

5. On Friday, the bus collected 474 passengers. Round this number and place a dot on the correct place on the graph.

   _____

6. 426 x 48 = _____
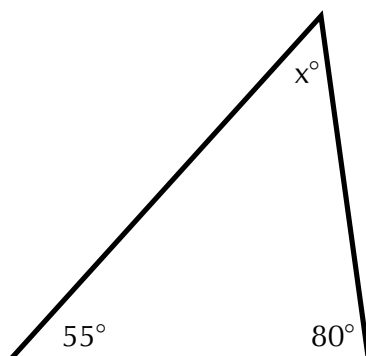
   (a) 5,112 ☐   (c) 20,448 ☐

   (b) 35,784 ☐   (d) none of these ☐

7. Calculate the size of the angle marked x° in the diagram.

Rough Work

8. 4,175 ÷ 25 = _____

9. Which of these fractions has the same value as $\frac{16}{20}$?

   (a) $\frac{3}{4}$ ☐   (c) $\frac{4}{5}$ ☐

   (b) $\frac{2}{3}$ ☐   (d) none of these ☐

10. Write the mixed number $4\frac{2}{3}$ as an improper fraction. _____

11. Draw a parallelogram.

12. $8 - 3\frac{2}{5}$ = _____

13. $\frac{5}{8} \times \frac{4}{9}$ = _____

14. $56 + 5\cdot6 + 0\cdot56$ = _____

15. $2\cdot8 \times 0\cdot14$ = _____

16. The value of 10^3 is _____.

   (a) 30 ☐   (c) 3,000 ☐

   (b) 300 ☐   (d) none of these ☐

17. This line is _____ mm long

   _____

18. How many metres in $5\frac{1}{2}$km?

19. $28 ÷ 0\cdot2$ = _____

   (a) 140 ☐   (c) 1·4 ☐

   (b) 14 ☐   (d) none of these ☐

20. Write 6% as a decimal. _____

Rough Work

21. The fraction $\frac{1}{8}$ is the same as _____.

    (a) 18% ☐   (c) $12\frac{1}{2}$% ☐

    (b) 1·8% ☐   (d) none of these ☐

22. What is 20% of 480? _____

23. At what speed is a car travelling if it moves 30km in 20 minutes?

    (a) 30kph ☐   (c) 90kph ☐

    (b) 60kph ☐   (d) 600kph ☐

24. Calculate 8% of 96. _____

25. Reduce 45 by 1%. _____

26. The edge of a cube measures 10cm. What is the surface area
    of the cube?

    (a) 600cm² ☐   (c) 240cm² ☐

    (b) 60cm² ☐   (d) none of these ☐

27. Share €48 among 3 people in the ratio 3:2:1.
    _____:_____:_____

28. A bag has tickets numbered 1–100 from which a ticket is
    pulled at random. Which of these is most likely?

    (a) the number 45 is drawn ☐

    (b) a number greater than 45 is drawn ☐

    (c) a number less than 45 is drawn ☐

    (d) an even number is drawn ☐

29. Which is better value?

    (a) 3 items for €3·66 ☐   (b) $1\frac{1}{2}$ items for €1·86 ☐
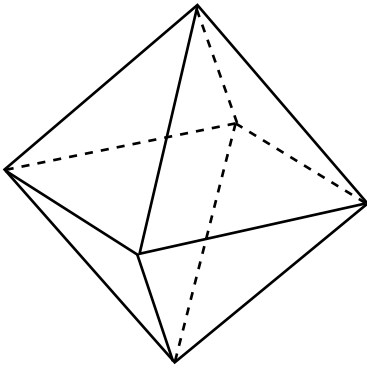
30. What number is 22 less than 10? _____

31. What is the approximate circumference of a circle if its radius
    measures 4cm? _____

Rough Work

32. Sinéad bought a bicycle for €120 and sold it making a profit of 25%. For how much did she sell the bicycle? _____

33. What is the percentage loss on an item that was bought for €240 and sold for €228? _____

34. The 3D shape in the picture has 8 faces. What is it called?

_____

35. A pineapple is likely to weigh approximately _____.

    (a) 100g ☐   (c) 5kg ☐

    (b) 1kg ☐   (d) 10kg ☐

36. Calculate 9 x (10 − 3). _____

37. What is the average of 10, 21, 42 and 31? _____

38. The average of 3 numbers is 50. Two of the numbers are 15 and 25. What is the third number?

    (a) 110 ☐   (c) 30 ☐

    (b) 10 ☐   (d) none of these ☐

39. What is x if 3x − 6 = 27?

    x = _____

40. How many times can I fill a 50ml eggcup from a beaker that holds 750ml? _____

Rough Work