Meadowhead School Maths Faculty

Y6 – Y7 Transition Work

NAME:

PRIMARY SCHOOL:

Hello Y6 students. We hope that this work will help you to prepare for your first weeks of Maths lessons in Y7 at Meadowhead School.

Complete the questions within the booklet. You can either print out the booklet or work on paper separately.

You do not have to bring your completed work into school, but it will help prepare you for your Maths lessons at Meadowhead school, so try to do as much as you can.

We look forward to meeting you all soon!

Part 1

1. 832 + 100 =

2. 142 × 2 =

3. 5.2 + 0.5 =

4. 38 × 4 =

5. 2052 + 749 =

6. 72 ÷ 8 =

7. 341 − 9 =

8. 8.3 + 0.02 =

9. 6 × 3 × 5 =

10. $\frac{1}{2} - \frac{1}{4} =$

11. 480 ÷ 6 =

12. 2.57 × 100 =

13. $11^2 =$

14. 7 000 − 60 =

15. 20 × 20 =

16. 1210 ÷ 11 =

17. 20% of 3500 =

18. 2.35 × 6 =

19. $\frac{1}{10} + \frac{7}{10} =$

20. 3966 + 9375 =

21. 8205 ÷ 5 =

22. 19 − 5.17 =

23. 62 × 27 =   Show your method.

24. 24.2 − 7.77 =

25. 2405 ÷ 13 =

26. $\frac{1}{3} \times \frac{1}{7} =$

27. 95% of 240 =

28. 184 934 − 32 999 =

29. 372 × 62 =   Show your method.
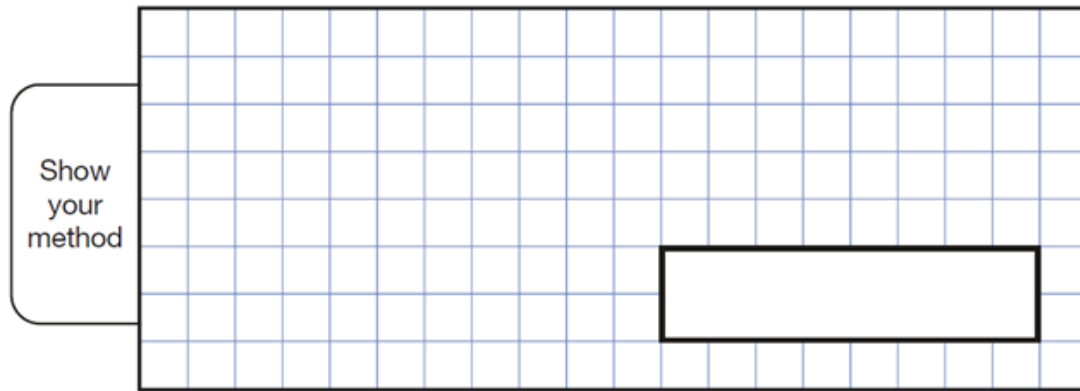
30. $14 \times 2\frac{1}{2} =$

Part 2

Question 1

There are 180 coloured pencils in a new box.

6 students each receive 8 coloured pencils from the teacher.

How many coloured pencils are still in the box?
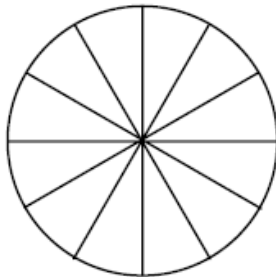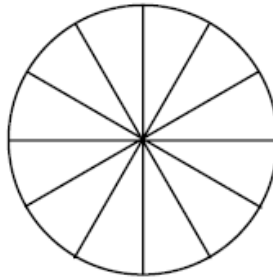
Show your method

Question 2

Here are some circles.

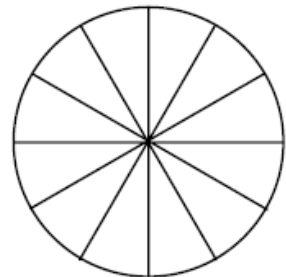Each circle has been divided into 10 sectors.

Shade each circle with the fraction that is written underneath it.

$$\frac{9}{10}$$

$$\frac{1}{2}$$

$$\frac{3}{5}$$

Question 3

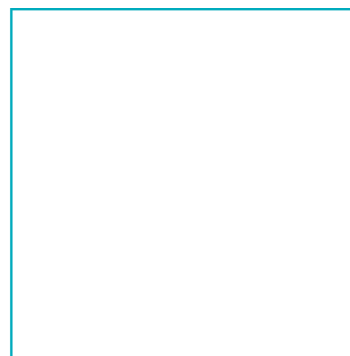Find the missing numbers in this long multiplication to make it correct
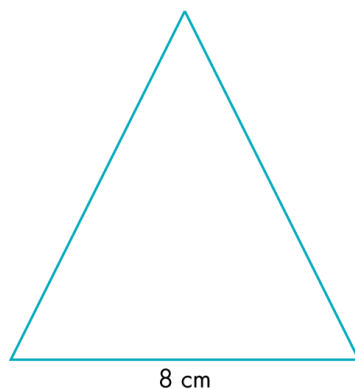
$$
\begin{array}{r}
\boxed{5}\;\boxed{4} \\
\times \;\;\boxed{}\;\boxed{} \\
\hline
\boxed{1}\;\boxed{6}\;\boxed{2} \\
+\;\boxed{1}\;\boxed{6}\;\boxed{2}\;\boxed{0} \\
\hline
\boxed{}\;\boxed{}\;\boxed{}\;\boxed{}
\end{array}
$$

Question 4

The diagram shows an equilateral triangle and a square.

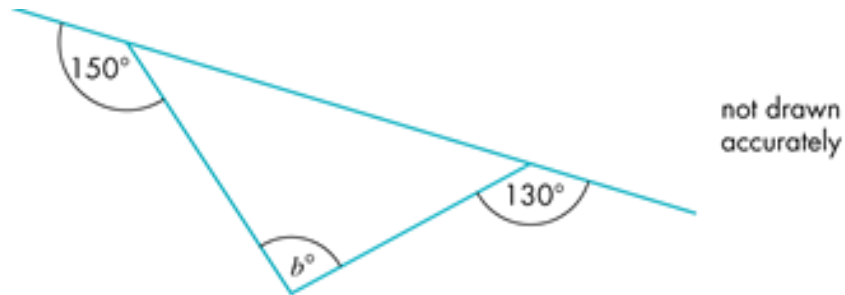They have the same perimeter.

Work out the area of the square.

8 cm

not drawn accurately

Show your method

Question 5

The diagram below shows a triangle with a side extended.

150°

not drawn accurately

130°

b°
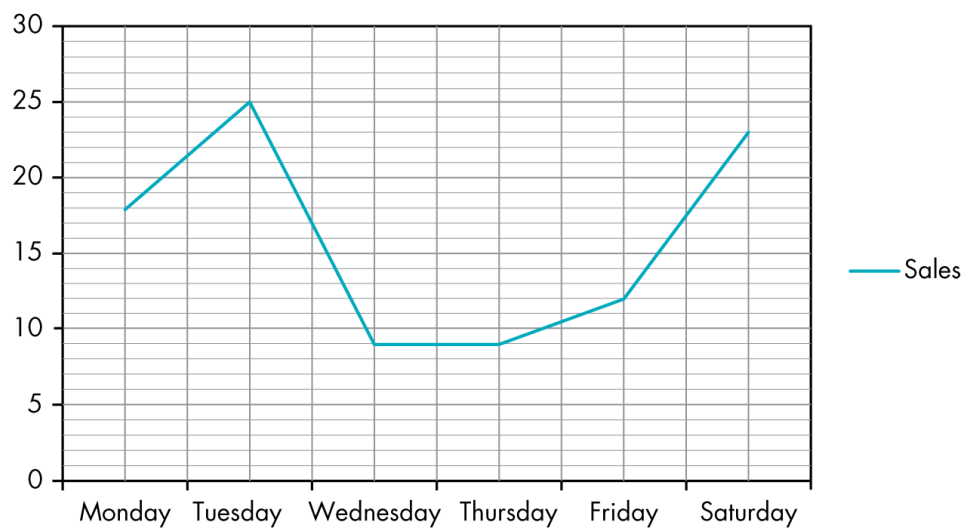
Calculate the size of the angle marked 'b'.

Show your method

Question 6

This chart shows the sales of ice-creams in one week.

Sales

Monday Tuesday Wednesday Thursday Friday Saturday

What is the mean number of ice-creams sold each day?

Show your method