

Transitioning to Year 7 Maths: Booklet 2

Important Things to Know When Preparing for KS3 Maths **Answers**

1. Calculate $7 + 4 \times 8$.

39

2. Evaluate $4 - (10 + 6) \div 2^3$.

2

3. Calculate $11.45 - 0.246$.

11.204

4. Work out 2.4×1.1 .

2.64

5. Evaluate 12.5×100 .

1250

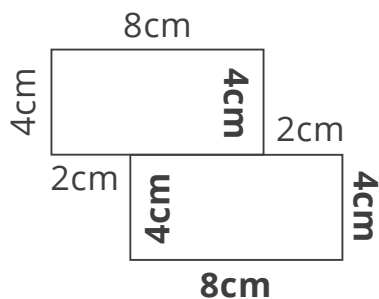
6. Calculate $180 \div 1000$.

0.18

7. a. Write a sentence to describe the perimeter of a 2D shape.

The total distance of the edges of the shape.

b. Calculate the perimeter of this shape which consists of two congruent rectangles. You should include the units in your answer.



$$8 + 4 + 2 + 4 + 8 + 4 + 2 + 4 = 36\text{cm}$$



8. a. Calculate 325×49 using your preferred method.

15 925

- b. Now, do the same calculation using one of the other two methods shown in this booklet and then compare your answers.

15 925

- c. Use a calculator to check your answer. Which method do you prefer?

Answers here will differ between individuals.

9. a. Calculate 7 divided by 35.

0.2

- b. Divide 3400 by 1.7.

2000

10. Evaluate $\frac{85}{9}$, leaving your answer as a mixed number.

$9\frac{4}{9}$