

Please make sure that you print this resource at 100% so that all measurements are correct.

To do this, follow the relevant steps below.

Adobe Reader or Adobe Acrobat

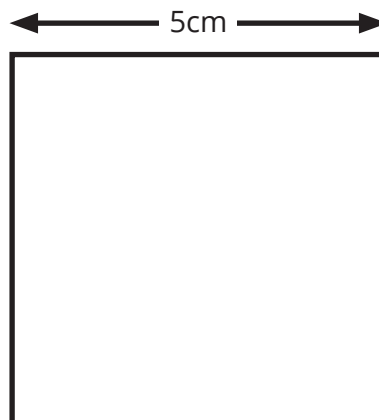
- Adobe Reader is a free PDF viewer, from Adobe. To install a copy of Adobe Reader, go to <https://get.adobe.com/uk/reader/>.
- Once Adobe Reader is installed, open your PDF.
- Go to File>Print.
- Under 'Page Sizing & Handling', select 'Size'.
- From here, make sure that 'Actual Size' is selected.
- Print this page as a test, making sure that the shape below is the correct size once printed.
- If the test print is correct, print your PDF.

Foxit Reader

- Go to File>Print.
- Set the 'Scaling' to 'None'.
- Print this page as a test, making sure that the shape below is the correct size once printed.
- If the test print is correct, print your PDF.

Web Browser

- If printing from a web browser, such as Chrome, Firefox or Microsoft Edge make sure that your printer is set to print at 100%, either by unticking 'Fit to Page' or selecting 'Actual Size'.
- Print this page as a test, making sure that the shape below is the correct size once printed.
- If the test print is correct, print your PDF.





Year 7 Baseline Test 1

Non-Calculator

1 hour (48 marks)



Name: _____

Date: _____



1. Work out:

a. $143 + 241$

_____ [1]

b. $239 + 48$

_____ [1]

2. Calculate the following:

a. $589 - 23$

_____ [1]

b. $721 - 199$

_____ [1]

3. Calculate 24×47

_____ [2]



4. Divide 5876 by 5, giving your answer as a decimal.

_____ [2]

5. Convert the following decimals into fractions. Fully simplify your answers.

a. 0.5

_____ [1]

b. 0.3

_____ [1]

6. Convert the following decimals into percentages:

a. 0.65

_____ [1]

b. 0.7

_____ [1]

7. a. Draw an angle of 50° .

_____ [1]

b. An angle measures 50° . Name this type of angle.

_____ [1]

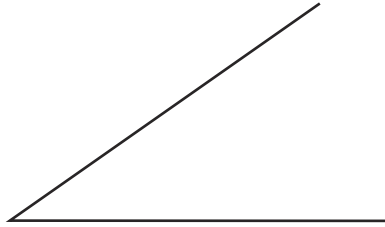


8. a. Measure the line and state the units you used to measure it.



_____ [2]

b. Measure the angle and state the units you used to measure it.



_____ [1]

9. a. Convert 50cm into m.



_____m [1]

b. Convert 2kg into g.



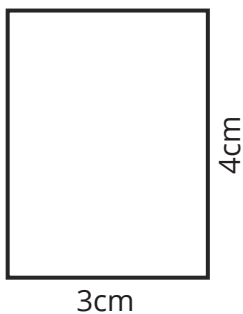
_____g [1]

10. Complete the missing numbers in the sequence:

-5, ____, -3, -2, ____, 0, 1, ____, 3, ...

[2]

11. Calculate the area of the rectangle. State the units in your answer.



_____ [3]



12. From the list of numbers below, state:

4 6 10 16 40 88

a. all the factors of 20.

_____ [1]

b. all the multiples of 5.

_____ [1]

13. Round the following to one decimal place.

a. 15.72

_____ [1]

b. 0.089

_____ [1]

14. Calculate the following:

a. $\frac{3}{5} + \frac{1}{5}$

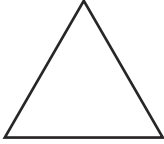
_____ [2]

b. $\frac{5}{7} - \frac{3}{7}$

_____ [2]

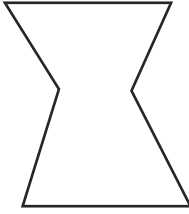
15. Name the following shapes:

a.



_____ [1]

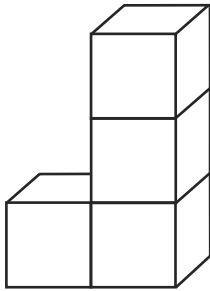
b.



_____ [1]

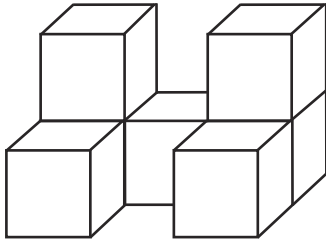
16. Calculate the volume of the stacked cubes. Each cube is 1 cm^3 .

a.



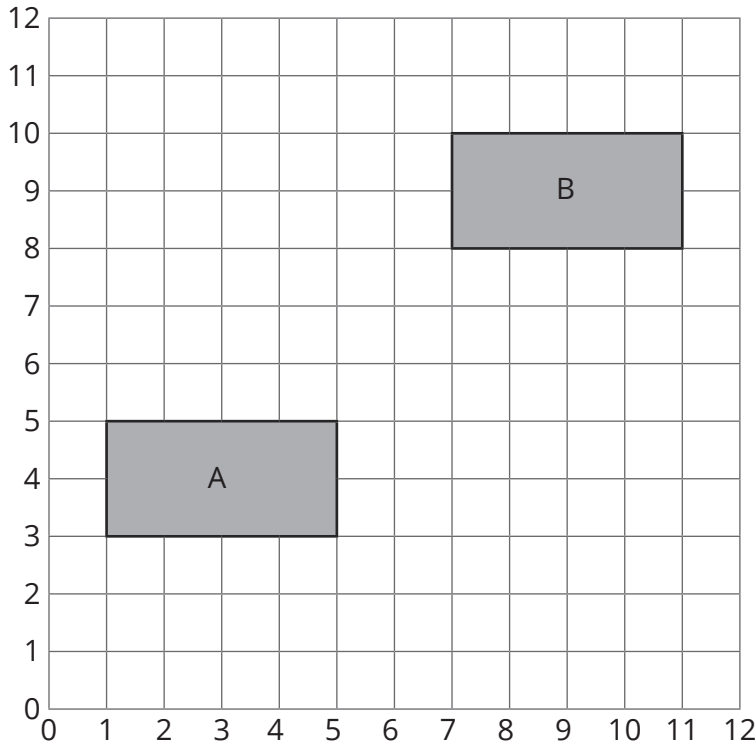
_____ cm^3 [1]

b.



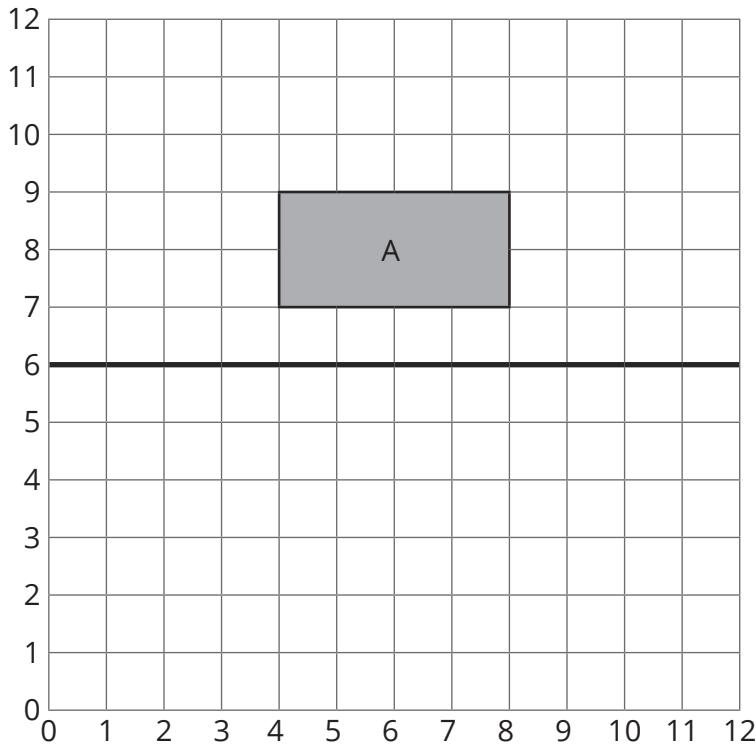
_____ cm^3 [1]

17. Fully describe the single transformation of shape A to shape B.



_____ [3]

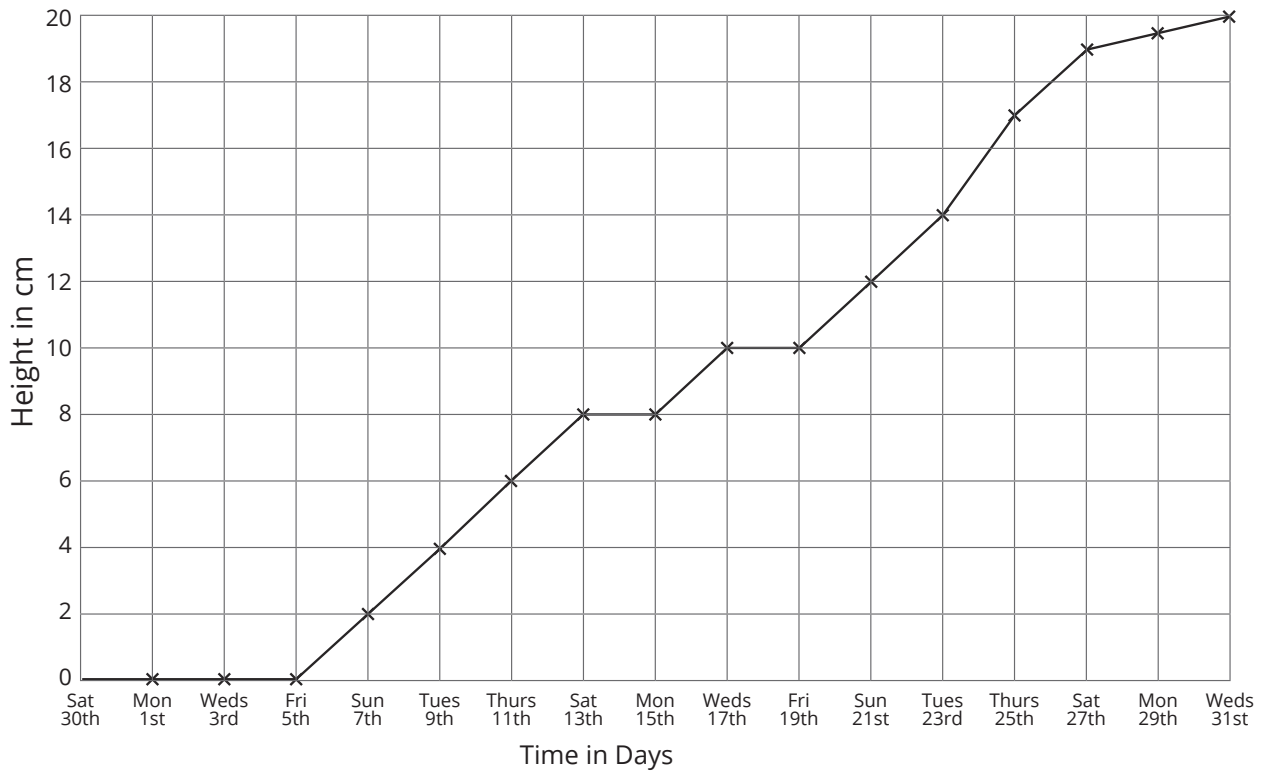
18. Reflect shape A in the mirror line shown and label it B.



[2]



19. Here is a line graph showing a sunflower's growth. It was planted on Saturday 30th and its height was measured every 2 days.



a. On which day was the sunflower 6cm in height?

_____ [1]

b. Between which two dates was the sunflower exactly half the height of its final recorded measurement?

_____ [2]

c. What was the difference in height between Thursday 11th and Wednesday 31st? Show your working.

_____ [2]



20. Ross and Rachel watch a film which is 150 minutes long. The film finishes at 7:00 p.m and has played all the way through without breaks.

a. Convert 150 minutes into hours and minutes.

_____ [1]

b. At what time did the film start?

_____ [1]

