

Year 4: Acute and obtuse angles: worksheet

Year 4 - Shapes, Angles and Symmetry - Lesson 9.2

Name: _____

Date: _____

Score: _____

14 questions. Write your answers in the spaces. Answers and step-by-step help are free at websink.site/ks2-sats/maths/year-4/ch09-shapes-angles-symmetry/acute-and-obtuse-angles/

Exercise 9B Acute, right and obtuse angles

Non-calculator

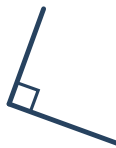
1 Name each angle. Write **acute**, **right angle** or **obtuse**.

(a)



Answer: _____

(b)



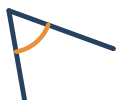
Answer: _____

(c)



Answer: _____

(d)



Answer: _____

2 Is each angle acute or obtuse?

(a)



Answer: _____

(b)



Answer: _____

(c)



Answer: _____

(d)



Answer:

3 Write the missing word: **acute**, **obtuse**, **right angle** or **straight line**.

(a) An angle that is smaller than a right angle is called ____.

Answer:

(b) An angle that is bigger than a right angle but smaller than a straight line is ____.

Answer:

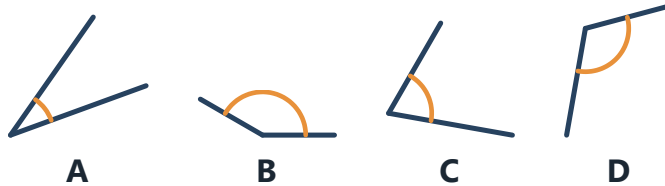
(c) Two right angles together make a ____.

Answer:

(d) A quarter turn is a ____.

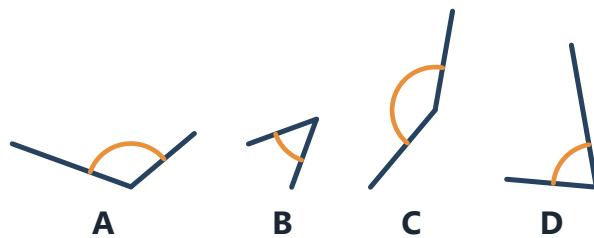
Answer:

4 Which angle is the **biggest**? Write the letter.



Answer:

5 Which angle is the **smallest**? Write the letter.



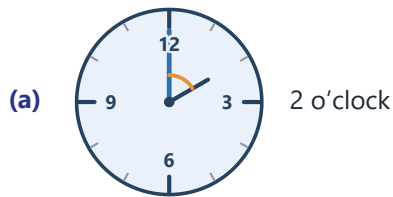
Answer:

6 Write the angles in order, **smallest first**.

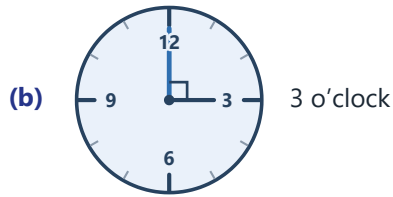


Answer:

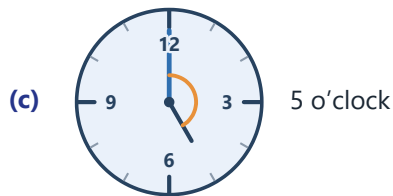
7 The clock shows an o'clock time. What kind of angle do the hands make? Write acute, right angle, obtuse or straight line.



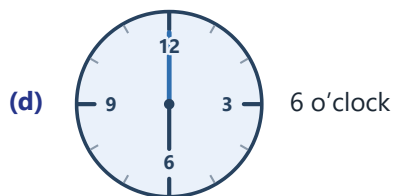
Answer:



Answer:

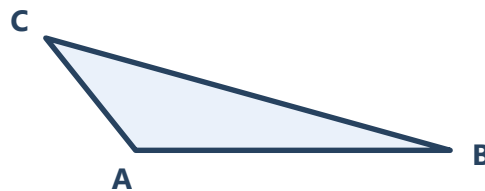


Answer:



Answer:

8 Which angle in triangle ABC is obtuse? Write the letter.



Answer:

9 This shape has four angles.



(a) How many acute angles does the shape have?

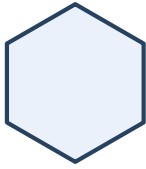
Answer:

(b) How many obtuse angles does the shape have?

Answer:

10 Every angle in a regular polygon is the same size. How many obtuse angles does each regular polygon have?

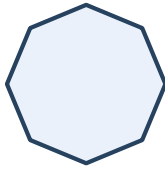
(a)



regular hexagon

Answer:

(b)



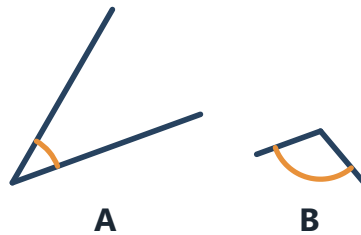
regular octagon

Answer:

- 11** Mei draws 9 angles. 4 are acute and 2 are right angles. The rest are obtuse. How many obtuse angles does Mei draw?

Answer:

- 12** Leo says, "Angle A is bigger than angle B because its arms are longer." Is Leo right? Explain.



Answer:

- 13** Write **always**, **sometimes** or **never** for each sentence.

(a) An obtuse angle is bigger than a right angle.

Answer:

(b) Two acute angles put together make an obtuse angle.

Answer:

(c) A right angle is an acute angle.

Answer:

- 14** Zainab wants to draw two obtuse angles side by side on a straight line. Can she do it? Explain your answer using right angles.

Answer:
