Year 3 maths: Angles and right angles (Easy)

Maths · Shapes and space · Level: Easy

Student: _____ Date: _____

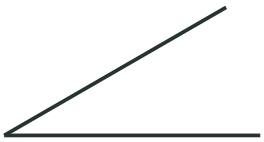
Instructions

- There are 8 questions. Read each one carefully.
- Write your answers on this paper. Use the space under a question to work it out.
- A grown-up can read a question aloud — that's fine.
- The answers are at the end. Check them together when you have finished.

Questions

1. Is this angle smaller than, the same as, or bigger than a right angle?

Circle one answer.



○ **A** a right angle

○ **B** bigger than a right angle

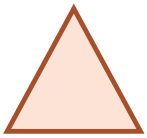
○ **C** smaller than a right angle

2. Which shape has NO right angles?

Circle one answer.



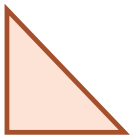
○ **A**



○ **B**



○ **C**



○ **D**

3. How many right angles make a full turn?

Answer: ☐ right angles

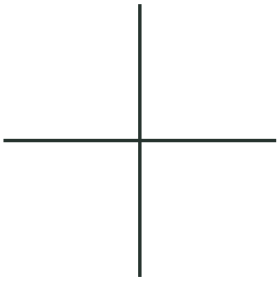
Working:

_____

_____

4. Two lines cross like a plus sign. How many right angles are there where they cross?

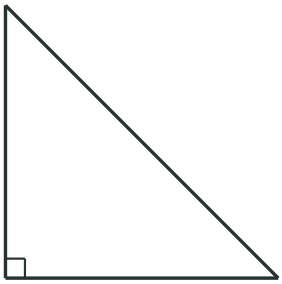
Circle one answer.



○ **A** 1 ○ **B** 2 ○ **C** 4

5. How many angles inside this triangle are less than a right angle?

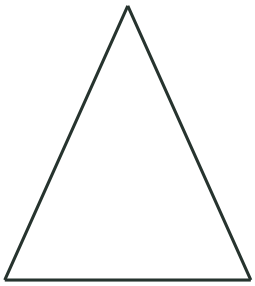
Circle one answer.



○ **A** 1 ○ **B** 2 ○ **C** 3

6. How many angles inside this triangle are less than a right angle?

Circle one answer.



○ **A** 3 ○ **B** 2 ○ **C** 1

7. At 3 o'clock, what angle do the hands of the clock make?

Circle one answer.



○ **A** smaller than a right angle
○ **B** a straight angle
○ **C** a right angle

8. How many times do the hands of a clock point to 9 o'clock in one whole day (24 hours)?

Circle one answer.

○ **A** 1 ○ **B** 2 ○ **C** 24

Answer key

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1. C — smaller than a right angle
The angle is narrower than a square corner: smaller than a right angle.

2. B
The triangle with three equal sides has three sharp corners and no square corner.

3. 4 right angles
A quarter turn is 1 right angle, so a full turn (4 quarter turns) is 4 right angles.

4. C — 4
A plus sign makes 4 square gaps around the middle: 4 right angles.

5. B — 2
The square corner is a right angle, not less than one. The other two corners are narrower: 2.

6. A — 3
All three corners are narrower than a square corner: 3.

7. C — a right angle
From 12 to 3 is 3 number gaps: a square corner, a right angle.

8. B — 2
9 o'clock comes in the morning (9 am) and at night (9 pm): 2 times.