# Year 2 maths: Halves, quarters and eighths (Medium)

Maths · Fractions
Level: Medium

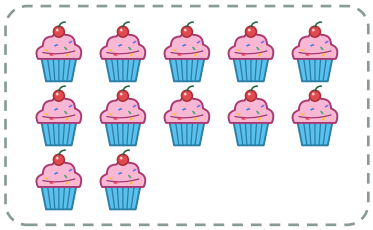
Student: _____ Date: _____

**Instructions**
- There are 10 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.** What is one quarter of these 12 cupcakes?

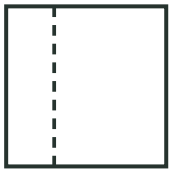
Answer: ☐ cupcakes



Working:

**2.** Noah cut his toast into 2 pieces. One piece is much bigger than the other. Noah says he has 2 halves. Is he right?

Circle one answer.



○ **A** No, because the pieces are not the same size
○ **B** Yes, because there are 2 pieces

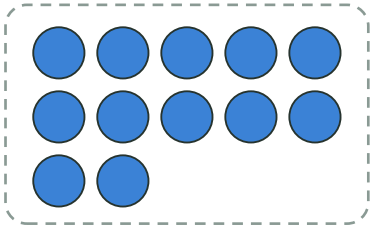
**3.** The jug was full. Ella poured out half of the water. How full is the jug now?

Circle one answer.

○ **A** Empty ○ **B** Full ○ **C** Half full

**4.** Share 12 one-dollar coins into 4 equal groups. How many dollars is a quarter of $12?

Answer: ☐ dollars



Working:

**5.** Which number is half of 12?

Circle one answer.

○ **A** 24 ○ **B** 3 ○ **C** 6 ○ **D** 10

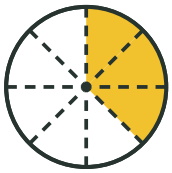
**6.** How many eighths make one quarter?

Circle one answer.



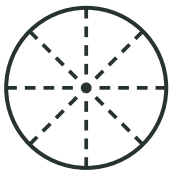
○ **A** 1 ○ **B** 2 ○ **C** 4 ○ **D** 8

**7.** This quiche was cut into 8 equal pieces. The shaded pieces were eaten. What fraction of the quiche was eaten?



**8.** An orange is cut into 8 equal wedges. Jas eats five eighths of it. How many wedges does Jas eat?

Answer: ☐



Working:

**9.** Half of a sandwich is given away. The other half is cut into 2 equal pieces, and Ella eats one. What fraction of the WHOLE sandwich is left?

Circle one answer.

○ **A** one quarter ○ **B** one half ○ **C** three quarters

**10.** 2 friends share 5 muffins. Each muffin is cut in half. How many halves does each friend get?

Answer:

Working:

# Answer key

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**1.** 3 cupcakes

A quarter means 4 equal groups. 12 shared into 4 groups is 3 in each: 3 + 3 + 3 + 3 = 12.

**2.** A — No, because the pieces are not the same size

Noah is not right. Halves must be the same size. His toast is in 2 pieces, but they are not equal.

**3.** C — Half full

A full jug with half the water poured out has half left, so it is half full.

**4.** 3 dollars

12 shared into 4 equal groups is 3 in each: 3 + 3 + 3 + 3 = 12. A quarter of $12 is $3.

**5.** C — 6

Half of 12 is 6, because 6 + 6 = 12. 3 is a quarter of 12, and 24 is double 12.

**6.** B — 2

The 2 shaded eighths fill one quarter of the square. Half of a quarter is an eighth, so 2 eighths make a quarter.

**7.** three eighths (also accepted: 3 eighths, 3/8, three eighth)

There are 8 equal pieces, so each one is an eighth. 3 pieces are shaded: three eighths.

**8.** 5

Each wedge is one eighth. Five eighths is 5 wedges. 3 wedges are left.

**9.** A — one quarter

Half of a half is a quarter. Each piece is one quarter of the whole sandwich, and 1 piece is left: one quarter.

**10.** 5

5 muffins make 2 + 2 + 2 + 2 + 2 = 10 halves. 10 halves shared between 2 friends is 5 halves each.