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

Maths · Fractions
Level: Medium

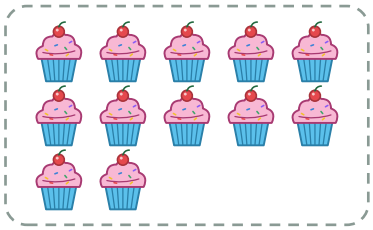
Student: _____ Date: _____

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?

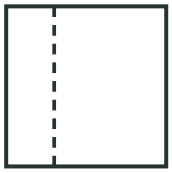
Answer: ☐ cupcakes



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

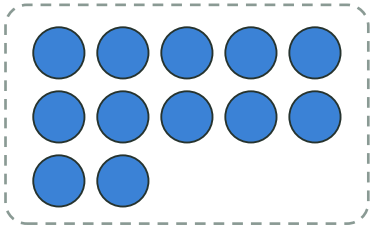
3. The jug was full. Ella poured out half of the water. How full is the jug now?

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

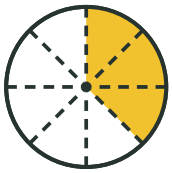
6. How many eighths make one quarter?

Circle one answer.



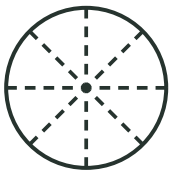
○ **A** 1 ○ **B** 2 ○ **C** 4 ○ **D** 8

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.