Year 6 maths: Improper fractions and comparing fractions (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. How many sixths are in 5 wholes?

Answer: ☐

Working:

2. Which is bigger, 3/8 or 3/5?

Circle one answer.

○ **A** 3/5 ○ **B** 3/8

3. Which fraction is greater than 1/2?

Circle one answer.

○ **A** 5/12 ○ **B** 7/12 ○ **C** 3/8 ○ **D** 2/6

4. Which is bigger, 3/4 or 5/8?

Circle one answer.

○ **A** 5/8 ○ **B** 3/4

5. Tick every fraction that is equal to 3/4.

Tick every answer that fits.

☐ **A** 6/8 ☐ **B** 9/12 ☐ **C** 3/8 ☐ **D** 4/3 ☐ **E** 3/12

6. Write 4 2/3 as an improper fraction.

Circle one answer.

○ **A** 42/3 ○ **B** 11/3 ○ **C** 14/3 ○ **D** 6/3

7. One rope is 9/4 m long. Another is 2 1/2 m. Which rope is longer?

Circle one answer.

○ **A** The 9/4 m rope ○ **B** The 2 1/2 m rope

8. Which is larger, 7/12 or 5/8?

Circle one answer.

○ **A** 7/12, because 12 is more than 8

○ **B** 7/12, because 7 is more than 5

○ **C** 5/8, because 15/24 is more than 14/24

○ **D** They are equal

9. A pizza is cut into eighths. How many slices are there in 4 whole pizzas plus 3 more slices?

Answer: _____ slices

Working:

10. Which fraction is between 1/2 and 3/4?

Circle one answer.

○ **A** 2/5 ○ **B** 5/8 ○ **C** 4/5 ○ **D** 7/8

Answer key

Year 6 maths: Improper fractions and comparing fractions (Medium) · Sheet 319502

1. 30
Each whole has 6 sixths. 5 × 6 = 30.

2. A — 3/5
Both have 3 parts, but fifths are bigger than eighths.

3. B — 7/12
1/2 is 6/12. 7/12 is more than 6/12.

4. B — 3/4
3/4 is 6/8. 6/8 is more than 5/8.

5. A — 6/8; B — 9/12
3/4 = 6/8 = 9/12. Multiply the top and bottom by the same number.

6. C — 14/3
4 wholes is 12 thirds. Add 2 thirds: 14/3.

7. B — The 2 1/2 m rope
9/4 is 2 1/4. 2 1/2 is longer than 2 1/4.

8. C — 5/8, because 15/24 is more than 14/24
Write both over 24: 7/12 = 14/24 and 5/8 = 15/24.

9. 35 slices
4 × 8 = 32 slices, plus 3 slices = 35 slices.

10. B — 5/8
Over 8: 1/2 = 4/8 and 3/4 = 6/8, so 5/8 is between. 4/5 and 7/8 are both bigger than 3/4.