Multiple choice questions - Fractions: add, subtract, multiply and divide

Year: Year 6 · 10

Question 1 What is $\frac{1}{2} + \frac{1}{3}$?

- ◯ **A.** $\frac{2}{5}$
- ◯ **B.** $\frac{5}{6}$
- ◯ **C.** $\frac{2}{6}$
- ◯ **D.** $\frac{1}{5}$

Question 2 What is $\frac{3}{4} - \frac{1}{8}$?

- ◯ **A.** $\frac{2}{4}$
- ◯ **B.** $\frac{5}{8}$
- ◯ **C.** $\frac{2}{8}$
- ◯ **D.** $\frac{3}{8}$

Question 3 What is $\frac{2}{5} \times \frac{1}{2}$?

- ◯ **A.** $\frac{3}{7}$
- ◯ **B.** $\frac{2}{7}$
- ◯ **C.** $\frac{1}{5}$
- ◯ **D.** $\frac{3}{10}$

Question 4 What is $\frac{3}{4} \div 3$?

- ◯ **A.** $\frac{1}{4}$
- ◯ **B.** $\frac{1}{12}$
- ◯ **C.** $\frac{3}{12}$
- ◯ **D.** $\frac{9}{4}$

Question 5 What is $\frac{12}{20}$ in its simplest form?

- ◯ **A.** $\frac{6}{10}$
- ◯ **B.** $\frac{3}{5}$
- ◯ **C.** $\frac{2}{3}$
- ◯ **D.** $\frac{4}{5}$

Question 6 What is $1\frac{1}{2} + 2\frac{2}{3}$?

- ◯ **A.** $3\frac{3}{5}$
- ◯ **B.** $4\frac{1}{6}$
- ◯ **C.** $3\frac{1}{6}$
- ◯ **D.** $4\frac{1}{3}$

Question 7 What is $4 - 1\frac{1}{4}$?

- ◯ **A.** $2\frac{1}{4}$
- ◯ **B.** $3\frac{3}{4}$
- ◯ **C.** $2\frac{3}{4}$
- ◯ **D.** $3\frac{1}{4}$

Question 8 Which is the largest fraction?

- ◯ **A.** $\frac{3}{4}$
- ◯ **B.** $\frac{2}{3}$
- ◯ **C.** $\frac{5}{8}$
- ◯ **D.** $\frac{7}{12}$

Question 9 What is $\frac{5}{6} \div 5$?

- ◯ **A.** $\frac{1}{6}$
- ◯ **B.** $\frac{25}{6}$
- ◯ **C.** $\frac{5}{11}$
- ◯ **D.** $\frac{1}{5}$

Question 10 What is $\frac{11}{4}$ as a mixed number?

- ◯ **A.** $2\frac{1}{4}$
- ◯ **B.** $2\frac{3}{4}$
- ◯ **C.** $3\frac{1}{4}$
- ◯ **D.** $1\frac{3}{4}$

Answer grid - Fractions: add, subtract, multiply and divide

Year: Year 6

Question	Answer	Explanation
1	**B**	Common denominator 6: 3/6 + 2/6 = 5/6.
2	**B**	6/8 - 1/8 = 5/8.
3	**C**	2 x 1 = 2 and 5 x 2 = 10, so 2/10 = 1/5.
4	**A**	3/12 = 1/4. Or divide the numerator: 3 ÷ 3 = 1.
5	**B**	Divide top and bottom by 4: 3/5.
6	**B**	Wholes 3. Fractions 3/6 + 4/6 = 7/6 = 1 1/6. Total 4 1/6.
7	**C**	4 = 16/4. 16/4 - 5/4 = 11/4 = 2 3/4.
8	**A**	In twelfths: 9/12, 8/12, 7.5/12, 7/12. So 3/4 is the largest.
9	**A**	Divide the numerator by 5: 1/6.
10	**B**	11 ÷ 4 = 2 remainder 3, so 2 3/4.