Multiple choice questions - Fractions

Year: Year 7 · 10

Question 1 Which fraction is equivalent to $\frac{3}{5}$?

- ○ **A.** $\frac{12}{20}$
- ○ **B.** $\frac{6}{15}$
- ○ **C.** $\frac{9}{20}$
- ○ **D.** $\frac{3}{10}$

Question 2 Simplify $\frac{28}{42}$.

- ○ **A.** $\frac{4}{6}$
- ○ **B.** $\frac{2}{3}$
- ○ **C.** $\frac{14}{21}$
- ○ **D.** $\frac{7}{10}$

Question 3 Write $\frac{11}{3}$ as a mixed number.

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

Question 4 Work out $\frac{1}{2} + \frac{1}{6}$.

- ○ **A.** $\frac{1}{4}$
- ○ **B.** $\frac{2}{8}$

- ○ **C.** $\frac{1}{3}$
- ○ **D.** $\frac{2}{3}$

Question 5 Work out $\frac{3}{4} - \frac{1}{3}$.

- ○ **A.** $\frac{5}{12}$
- ○ **B.** $\frac{2}{1}$
- ○ **C.** $\frac{2}{12}$
- ○ **D.** $\frac{1}{2}$

Question 6 What is $\frac{5}{8}$ of 40?

- ○ **A.** 5
- ○ **B.** 25
- ○ **C.** 8
- ○ **D.** 32

Question 7 Work out $\frac{2}{3} \times \frac{3}{8}$.

- ○ **A.** $\frac{5}{11}$
- ○ **B.** $\frac{16}{9}$
- ○ **C.** $\frac{1}{4}$
- ○ **D.** $\frac{1}{2}$

Question 8 Work out $\frac{4}{5} \div \frac{2}{5}$.

- ○ **A.** $\frac{8}{25}$
- ○ **B.** $\frac{1}{2}$
- ○ **C.** $\frac{2}{5}$
- ○ **D.** 2

Question 9 Which fraction is the largest?

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

Question 10 Work out $1\frac{1}{4} \times 2$.

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

Answer grid - Fractions

Year: Year 7

Question	Answer	Explanation
1	**A**	Multiply top and bottom by 4: 12 over 20.
2	**B**	The HCF of 28 and 42 is 14, giving 2 over 3.
3	**C**	11 divided by 3 is 3 remainder 2.
4	**D**	3/6 + 1/6 = 4/6 = 2/3.
5	**A**	9/12 - 4/12 = 5/12.
6	**B**	40 divided by 8 is 5; 5 times 5 is 25.
7	**C**	6/24 = 1/4.
8	**D**	4/5 x 5/2 = 20/10 = 2.
9	**A**	With denominator 24: 18, 16, 14, 15. So 3/4 is the largest.
10	**B**	5/4 x 2 = 10/4 = 2 1/2.