

Adding and subtracting fractions

Grade 3 | Foundation | 17 questions, 47 marks

GCSE Maths topic practice



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Name: _____

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1 Work out $1 - \frac{3}{8}$

(1 mark)

Answer _____

2 Work out $\frac{2}{9} + \frac{5}{9}$

(1 mark)

Answer _____

3 Find the number that is exactly halfway between $\frac{1}{4}$ and $\frac{5}{8}$

(2 marks)

Answer _____

4 Work out $\frac{3}{10} + \frac{1}{4}$

(2 marks)

Answer _____

5 Amir eats $\frac{1}{3}$ of a pizza. Bea eats $\frac{1}{4}$ of the same pizza.

a. What fraction of the pizza have they eaten altogether?

b. What fraction of the pizza is left?

(3 marks)

Answer _____

6 Freya is asked to work out $\frac{2}{3} + \frac{1}{6}$

Here is her working.

$$\frac{2}{3} + \frac{1}{6} = \frac{3}{9} = \frac{1}{3}$$

Describe **two** ways you can tell that Freya's method is wrong.

(2 marks)

Answer _____

7 a. One of these fractions is **not** equivalent to $\frac{3}{5}$

$$\frac{6}{10} \quad \frac{9}{15} \quad \frac{12}{25} \quad \frac{15}{25}$$

Write down this fraction.

b. Work out $\frac{2}{5} + \frac{1}{3}$

(3 marks)

Answer _____

8 Work out $4\frac{2}{5} - 1\frac{3}{4}$

Give your answer as a mixed number in its simplest form.

(3 marks)

Answer _____

9 Work out $\frac{5}{6} - \frac{3}{8}$

(2 marks)

Answer _____

10 Work out $\frac{3}{4} + \frac{5}{6}$

Give your answer as a mixed number.

(2 marks)

Answer _____

- 11 A jug holds $\frac{3}{4}$ litre of juice. Dina pours out $\frac{2}{5}$ litre.

How much juice is left in the jug?

(2 marks)

Answer _____

- 12 a. Work out $\frac{7}{9} - \frac{1}{3}$

- b. Work out $\frac{3}{4} \times \frac{2}{9}$

Give your answer in its simplest form.

(4 marks)

Answer _____

- 13 Work out $(\frac{1}{3} + \frac{1}{6}) \div \frac{1}{4}$

(3 marks)

Answer _____

- 14 a. Work out $1\frac{3}{4} + 2\frac{5}{6}$

Give your answer as a mixed number in its simplest form.

- b. Work out $2\frac{1}{2} \times 1\frac{1}{5}$

(4 marks)

Answer _____

15

- a. Work out $\frac{7}{8} - \frac{2}{5}$
- b. Show that $1\frac{2}{3} \times 2\frac{1}{4} = 3\frac{3}{4}$

(5 marks)

Answer _____

16

Tomos works out $3\frac{1}{5} - 1\frac{3}{5}$

His working is:

$$3 - 1 = 2$$

$$\frac{3}{5} - \frac{1}{5} = \frac{2}{5}$$

Answer: $2\frac{2}{5}$

- a. Explain the mistake Tomos has made.
- b. Work out the correct answer.

(3 marks)

Answer _____

17

- a. Work out $1\frac{1}{2} + 2\frac{2}{3}$

Give your answer as a mixed number.

- b. Work out $\frac{5}{6} \div \frac{2}{3}$

Give your answer as a mixed number.

(5 marks)

Answer _____

End of questions | Total 47 marks