

GCSE Maths: Understanding fractions (Foundation): worksheet

GCSE Maths - Fractions - Foundation - Lesson 3.1

Name: _____

Date: _____

Score: _____

15 questions. Write your answers in the spaces. Answers and step-by-step help are free at websink.site/gcse/maths/ch03-fractions/foundation/understanding-fractions/

Exercise 3A Understanding fractions

Non-calculator

1 Write down the fraction of each shape that is shaded.



Answer: _____



Answer: _____



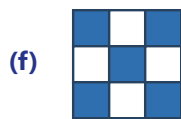
Answer: _____



Answer: _____



Answer: _____



Answer: _____

2 Copy each bar and shade the fraction given.

(a) $\frac{3}{4}$ of a bar split into 4 parts

Answer: _____

(b) $\frac{2}{3}$ of a bar split into 6 parts

Answer: _____

(c) $\frac{5}{8}$ of a bar split into 8 parts

Answer: _____

(d) $\frac{3}{5}$ of a bar split into 10 parts

Answer:

3 Write down the numerator and the denominator of each fraction.

(a) $\frac{5}{9}$

Answer:

(b) $\frac{7}{12}$

Answer:

(c) $\frac{11}{20}$

Answer:

(d) $\frac{1}{3}$

Answer:

4 Which of these are unit fractions? $\frac{1}{5}$ $\frac{2}{5}$ $\frac{1}{12}$ $\frac{3}{4}$ $\frac{1}{100}$

Answer:

5 Write down the fraction marked by each letter.



(a) A

Answer:

(b) B

Answer:

(c) C

Answer:

6 Write down the fraction marked by each letter.



(a) P

Answer:

(b) Q

Answer:

(c) R

Answer:

7 Write each statement as a fraction.

(a) 3 out of 7 students wear glasses

Answer:

(b) 4 of the 9 flowers are red

Answer:

(c) A bag has 2 yellow and 7 white sweets. What fraction are yellow?

Answer:

(d) 5 days out of the 7 days in a week

Answer:

8 Write each division as a fraction, and each fraction as a division.

(a) $3 \div 5$

Answer:

(b) $7 \div 8$

Answer:

(c) $\frac{4}{7}$

Answer:

(d) $\frac{11}{3}$

Answer:

9 Write each fraction as proper or improper.

(a) $\frac{5}{3}$

Answer:

(b) $\frac{3}{8}$

Answer:

(c) $\frac{9}{9}$

Answer:

(d) $\frac{12}{7}$

Answer:

10 A pizza is cut into 8 equal slices. Ali eats 3 slices and Ben eats 2 slices. What fraction of the pizza is eaten altogether? What fraction is left?

Answer:

11 A bag contains 5 red, 3 blue and 2 green counters. Write the fraction that are (a) red (b) not green.

(a) red

Answer:

(b) not green

Answer:

12 Sam says "This rectangle, cut into 4 pieces of different sizes, has $\frac{1}{4}$ shaded." Explain why Sam is wrong.

Answer:

- 13** The numerator of a fraction is 3. The denominator is 4 more than the numerator. Write down the fraction.

Answer:

- 14** Write down a proper fraction with a denominator of 6 which is not a unit fraction.

Answer:

- 15 Challenge.** A fraction has a denominator that is 3 more than its numerator. It is shown by drawing 11 equal parts. What is the fraction if it is a proper fraction and the numerator is as big as possible?

Answer:
