

Name _____

Date _____

Maths vocabulary — answers

40 tasks in five styles, covering every key word in Unit 1.

A · Unscramble the term — Rearrange the letters to make the term that matches the definition.

1 runemarot

The top number of a fraction: how many parts you have.

Example: In $\frac{3}{4}$ it is 3.

Answer: numerator

The word is **numerator** — The top number of a fraction: how many parts you have.

2 redonimanot

The bottom number: how many equal parts make the whole.

Example: In $\frac{3}{4}$ it is 4.

Answer: denominator

The word is **denominator** — The bottom number: how many equal parts make the whole.

3 aericrpol

A fraction turned upside down.

Example: The reciprocal of $\frac{3}{5}$ is $\frac{5}{3}$.

Answer: reciprocal

The word is **reciprocal** — A fraction turned upside down.

4 fispmily

Divide top and bottom by their HCF.

Example: $\frac{6}{8} = \frac{3}{4}$.

Answer: simplify

The word is **simplify** — Divide top and bottom by their HCF.

5 emirppor

Numerator at least as big as the denominator.

Example: $\frac{7}{4}$.

Answer: improper

The word is **improper** — Numerator at least as big as the denominator.

6 dimex

A whole number and a fraction together.

Example: $1\frac{3}{4}$.

Answer: mixed

The word is **mixed** — A whole number and a fraction together.

7 eacnrl

Divide a numerator and denominator by a common factor.

Example: $4/9 \times 3/8 \rightarrow 1/6$.

Answer: cancel

The word is **cancel** — Divide a numerator and denominator by a common factor.

8 trpdocu

The result of multiplying.

Example: $2/3 \times 3/4 = 1/2$.

Answer: product

The word is **product** — The result of multiplying.

B · Fill in the gaps — Use a word from the box to complete each sentence.

- 9** The top number of a fraction is the _____.

Word box: □

Answer: numerator

In $3/4$ it is 3.

- 10** The bottom number of a fraction is the _____.

Word box: □

Answer: denominator

In $3/4$ it is 4.

- 11** Fractions with the same value are _____ fractions.

Word box: □

Answer: equivalent

$2/4 = 1/2$.

- 12** A fraction turned upside down is its _____.

Word box: □

Answer: reciprocal

A number times its reciprocal is 1.

- 13** A fraction whose top is at least its bottom is _____.

Word box: □

Answer: improper

$7/4$.

- 14** A whole number written with a fraction is a _____ number.

Word box: □

Answer: mixed

$1 \frac{3}{4}$.

- 15** To _____ a fraction, divide top and bottom by their HCF.

Word box: □

Answer: simplify

$6/8 = 3/4$.

- 16** Before adding fractions you need a ____.

Word box: □

Answer: common denominator

The parts must be the same size.

C · Choose the correct ending — Pick the reason that correctly finishes each sentence.

- 17** You need a common denominator to add fractions because ...

- ☐ the rule says so
- ☐ the parts must be the same size before you count them
- ☐ it makes the numbers smaller

Answer: the parts must be the same size before you count them

You cannot count thirds and quarters together until both are sixths, twelfths, or whatever suits.

- 18** Multiplying by a fraction less than 1 makes a number smaller because ...

- ☐ fractions are small
- ☐ you are taking a part of it, not the whole
- ☐ the denominator grows

Answer: you are taking a part of it, not the whole

Half of eight is four.

- 19** Dividing by a fraction less than 1 makes a number bigger because ...

- ☐ the numbers get larger
- ☐ you are asking how many small pieces fit in
- ☐ the rule inverts

Answer: you are asking how many small pieces fit in

Twelve halves fit into six.

- 20** It helps to cancel before multiplying because ...

- ☐ it changes the answer
- ☐ the numbers stay small and the answer comes out simplified
- ☐ it is required by the rules

Answer: the numbers stay small and the answer comes out simplified

24/36 needs simplifying afterwards; cancelling first avoids it.

- 21** $1/2 + 1/3$ is not $2/5$ because ...

- ☐ $2/5$ is not simplified
- ☐ you never add the denominators
- ☐ the answer must be a mixed number

Answer: you never add the denominators

The denominator names the size of the part; it is not a count.

- 22** $5/8 \times 8/5 = 1$ because ...

- ☐ both are less than 1
- ☐ they are reciprocals, so everything cancels
- ☐ $5 + 8 = 13$

Answer: they are reciprocals, so everything cancels

$40/40 = 1$.

D · Match the definition — Type the term that matches each definition.

- 23** Which term means: *The top number of a fraction: how many parts you have.*
Answer: numerator
numerator — In $\frac{3}{4}$ it is 3.
- 24** Which term means: *The bottom number: how many equal parts make the whole.*
Answer: denominator
denominator — In $\frac{3}{4}$ it is 4.
- 25** Which term means: *Fractions with the same value.*
Answer: equivalent fractions
equivalent fractions — $\frac{2}{4} = \frac{1}{2}$.
- 26** Which term means: *No common factor except 1.*
Answer: simplest form
simplest form — $\frac{18}{24} = \frac{3}{4}$.
- 27** Which term means: *Numerator at least as big as the denominator.*
Answer: improper fraction
improper fraction — $\frac{7}{4}$.
- 28** Which term means: *A whole number and a fraction together.*
Answer: mixed number
mixed number — $1\frac{3}{4}$.
- 29** Which term means: *The same denominator for both fractions.*
Answer: common denominator
common denominator — For $\frac{1}{2}$ and $\frac{1}{3}$, use 6.
- 30** Which term means: *The LCM of the denominators.*
Answer: lowest common denominator
lowest common denominator — For 4 and 6 it is 12.
- 31** Which term means: *A fraction turned upside down.*
Answer: reciprocal
reciprocal — The reciprocal of $\frac{3}{5}$ is $\frac{5}{3}$.
- 32** Which term means: *Divide a numerator and denominator by a common factor.*
Answer: cancel
cancel — $\frac{4}{9} \times \frac{3}{8} \rightarrow \frac{1}{6}$.
- 33** Which term means: *A fraction with numerator 1.*
Answer: unit fraction
unit fraction — $\frac{1}{5}$.
- 34** Which term means: *Numerator smaller than denominator.*
Answer: proper fraction
proper fraction — $\frac{3}{8}$.

E · Reading fraction questions — What the instruction words are asking for.

35 A question says “give your answer in its simplest form”. What must you do?

- ☐ Use a decimal
- ☐ Divide top and bottom by their HCF
- ☐ Use a mixed number
- ☐ Nothing extra

Answer: Divide top and bottom by their HCF

6/8 would lose the mark; 3/4 gains it.

36 A question says “work out $\frac{2}{3}$ of 45”. Which operation is that?

- ☐ addition
- ☐ subtraction
- ☐ multiplication
- ☐ division

Answer: multiplication

“Of” means multiply.

37 A question asks for the answer “as a mixed number”. What does that mean?

- ☐ $\frac{7}{4}$
- ☐ $1\frac{3}{4}$
- ☐ 1.75
- ☐ 175%

Answer: $1\frac{3}{4}$

The whole part is written separately from the fraction.

38 What does “improper” mean in “improper fraction”?

- ☐ It is wrong
- ☐ The numerator is at least the denominator
- ☐ It is not simplified
- ☐ It is negative

Answer: The numerator is at least the denominator

There is nothing incorrect about an improper fraction.

39 A question says “show your working”. For $\frac{3}{4}$ of 48, what counts as working?

- ☐ Only the answer 36
- ☐ $48 \div 4 = 12$, then $12 \times 3 = 36$
- ☐ A drawing
- ☐ The word multiply

Answer: $48 \div 4 = 12$, then $12 \times 3 = 36$

The marks are for the steps, not just the result.

40 What does “cancel” mean when multiplying fractions?

- ☐ Cross out the question
- ☐ Divide a top and a bottom by a common factor before multiplying
- ☐ Delete a fraction
- ☐ Change the sign

Answer: Divide a top and a bottom by a common factor before multiplying

It is simplifying, done at the start instead of the end.