

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 gepcrneate

A number written as a part of 100.

Example: 35%.

Answer: percentage

The word is **percentage** — A number written as a part of 100.

2 ledicam

A number written with a decimal point.

Example: 0.35.

Answer: decimal

The word is **decimal** — A number written with a decimal point.

3 tocvnre

Change from one form to another.

Example: 0.35 → 35%.

Answer: convert

The word is **convert** — Change from one form to another.

4 snircaee

Make larger by adding the percentage.

Example: 200 + 15% → 230.

Answer: increase

The word is **increase** — Make larger by adding the percentage.

5 sedrcaee

Make smaller by subtracting the percentage.

Example: 200 – 15% → 170.

Answer: decrease

The word is **decrease** — Make smaller by subtracting the percentage.

6 nidcsuot

An amount taken off a price.

Example: 25% off \$80 is \$20 off.

Answer: discount

The word is **discount** — An amount taken off a price.

7 aroginil

The amount you started with.

Example: You divide by it.

Answer: original

The word is **original** — The amount you started with.

8 ngeiuavelt

The same value in a different form.

Example: $1/2 = 0.5 = 50\%$.

Answer: equivalent

The word is **equivalent** — The same value in a different form.

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

- 9** The words _____ mean “out of a hundred”.

Word box: □

Answer: per cent

45% is 45 out of 100.

- 10** A number written as a part of 100 is a _____.

Word box: □

Answer: percentage

35%.

- 11** To _____ is to change from one form to another.

Word box: □

Answer: convert

0.35 → 35%.

- 12** To make an amount larger by a percentage is to _____ it.

Word box: □

Answer: increase

200 + 15% → 230.

- 13** To make an amount smaller by a percentage is to _____ it.

Word box: □

Answer: decrease

200 – 15% → 170.

- 14** Percentage change is always measured against the _____ amount.

Word box: □

Answer: original

Not the new one.

- 15** An amount taken off a price is a _____.

Word box: □

Answer: discount

25% off \$80 is \$20.

- 16 Two forms with the same value are _____.

Word box: □

Answer: equivalent

$1/2 = 0.5 = 50\%$.

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

- 17 A percentage is out of 100 because ...

- ☐ 100 is a round number
- ☐ “cent” means a hundred
- ☐ percentages are always small

Answer: “cent” means a hundred

As in century and centimetre.

- 18 7% is 0.07 and not 0.7 because ...

- ☐ 7 is small
- ☐ dividing by 100 moves the digits two places
- ☐ 0.7 is a fraction

Answer: dividing by 100 moves the digits two places

0.7 would be 70%.

- 19 Percentage change divides by the original because ...

- ☐ the original is bigger
- ☐ the change is being compared with where you started
- ☐ the new amount is unknown

Answer: the change is being compared with where you started

That is what “change” means.

- 20 Up 10% then down 10% does not return to the start because ...

- ☐ the arithmetic is wrong
- ☐ the second 10% is taken of a larger amount
- ☐ percentages cannot be reversed

Answer: the second 10% is taken of a larger amount

10% of 110 is 11, not 10.

- 21 20% of 50 equals 50% of 20 because ...

- ☐ it is a coincidence
- ☐ both work out as $20 \times 50 \div 100$
- ☐ 20 and 50 are special

Answer: both work out as $20 \times 50 \div 100$

So you may swap them for an easier calculation.

- 22 Building 35% from 10% and 5% works because ...

- ☐ 35 is close to 30
- ☐ $10 + 10 + 10 + 5 = 35$
- ☐ percentages must be built

Answer: $10 + 10 + 10 + 5 = 35$

Percentages of the same amount can be added.

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

- 23** Which term means: *Out of a hundred.*
Answer: per cent
per cent — 45% is 45 out of 100.
- 24** Which term means: *A number written as a part of 100.*
Answer: percentage
percentage — 35%.
- 25** Which term means: *The same value in a different form.*
Answer: equivalent
equivalent — $1/2 = 0.5 = 50\%$.
- 26** Which term means: *Change from one form to another.*
Answer: convert
convert — $0.35 \rightarrow 35\%$.
- 27** Which term means: *No common factor except 1.*
Answer: simplest form
simplest form — $45/100 = 9/20$.
- 28** Which term means: *Make larger by adding the percentage.*
Answer: increase
increase — $200 + 15\% \rightarrow 230$.
- 29** Which term means: *Make smaller by subtracting the percentage.*
Answer: decrease
decrease — $200 - 15\% \rightarrow 170$.
- 30** Which term means: *The change as a percentage of the original.*
Answer: percentage change
percentage change — $40 \rightarrow 50$ is 25% up.
- 31** Which term means: *What you started with.*
Answer: original amount
original amount — You divide by it.
- 32** Which term means: *An amount taken off a price.*
Answer: discount
discount — 25% off \$80 is \$20 off.
- 33** Which term means: *In percentage work, “of” means multiply.*
Answer: of
of — 20% of 50 = 10.
- 34** Which term means: *The amount gained above what was paid.*
Answer: profit
profit — Sold for more than cost.

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

35 A question says “find 15% of 60”. Which operation is that?

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

Answer: multiplication

“Of” means multiply.

36 A question says “increase 200 by 15%”. What is the answer?

- ☐ 30
- ☐ 230
- ☐ 170
- ☐ 215

Answer: 230

Find the 15%, then add it on. The 30 alone is not the answer.

37 A question says “express 15 as a percentage of 20”. What do you divide by?

- ☐ 15
- ☐ 20
- ☐ 100
- ☐ 35

Answer: 20

The amount you are comparing *with* goes on the bottom.

38 A question says “calculate the percentage change”. What must the answer include?

- ☐ Only the number
- ☐ The number and whether it is an increase or a decrease
- ☐ The units
- ☐ A drawing

Answer: The number and whether it is an increase or a decrease

“25%” alone does not say which way.

39 A shop advertises “20% off”. What does the customer pay?

- ☐ 20% of the price
- ☐ 80% of the price
- ☐ 120% of the price
- ☐ The full price

Answer: 80% of the price

The discount is taken away.

40 A question says “give your answer to the nearest cent”. How many decimal places?

- ☐ 0
- ☐ 1
- ☐ 2
- ☐ 3

Answer: 2

A cent is one hundredth of a dollar.