Functional Skills Maths Level 1 | Nonsense Words

1. In June Gemma paid £68 for her plenthic.

In July she will pay 5% more for her plenthic.

Work out how much Gemma will pay for her plenthic in July.

2. Jasper decorates creblin to sell in his shop.

He knows it takes 12 minutes to decorate a creblin.

Jasper works from 9.30am until 12.50pm on Tuesday.

He takes 20 minutes for a coffee break at 10.30am.

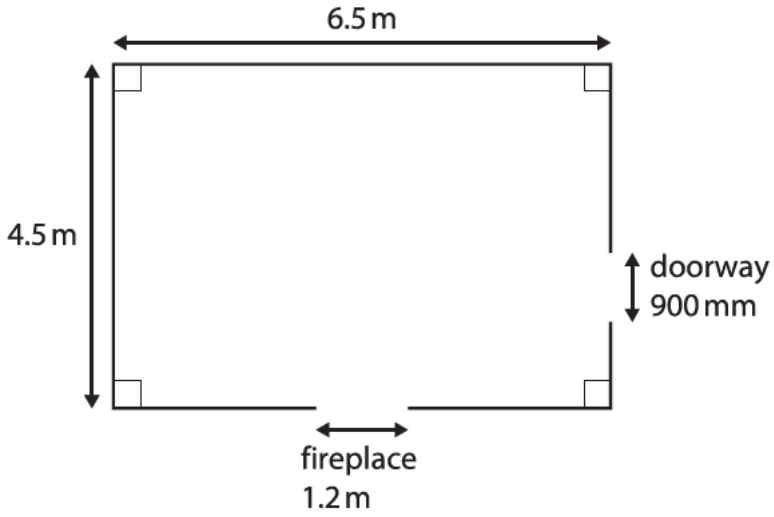
How many creblin does Jasper decorate on Tuesday?

3. Victoria wants new snarbicks in her living room.

The snarbicks will

- Go along the bottom of each wall
- Not go across the doorway
- Not go across the fireplace.

Victoria has this sketch of her living room.



Snarbicks come in lengths of 2.4m

The lengths of the snarbicks can be cut and joined.

How many lengths of snarbicks does Victoria need?

You **must** show your working.

4a. Penny is baking wemplin.

She knows the ratio of griblit to ghoddle must be 1 : 8.

She has 56g of ghoddle.

Work out the amount of griblit Penny needs for 56g of ghoddle.

4b. Use a reverse calculation to show a check of your answer.

5. Vin is a journalist.

They are writing an article about zopkers in his town.

The table shows the price of a zopker in 5 local shops.

shop	A	B	C	D	E
cost (£)	7.60	6.25	5.85	6.65	8.00

Vin thinks the mean price of a zopker in these 5 shops is £6.85.

Is Vin correct?

Show why you think this.

6. Lewis makes a ruffnex.

A ruffnex has 40 drindle.

- 20% of the drindle are glorpin.
- ¼ of the drindle are tormax.
- The remaining drindle are jarnick.

Work out how many of the drindle are jarnick.

Answers

These questions use nonsense words and are designed to show learners with literacy or ESOL needs that they can still access questions even when they do not know the meaning of words. They are designed to improve their confidence when reading maths questions.

1.

Question	Process	Mark	Mark Grid	Evidence
	Begins to work with percentage	1 or	A	68 × 5 ÷ 100 (=3.4(0)) oe **OR** (100 + 5) ÷ 100 (= 1.05) oe
	Full process to work with percentage increase	2 or	AB	68 + '3.4' (= 71.4) **OR** 68 × '1.05' (= 71.4) oe
	Accurate figure	3	ABC	(£)71.40
	Total marks for question	**3**		

2.

PMAT1/C02				
Question	**Process**	**Mark**	**Mark Grid**	**Evidence**
	Begins to work with time	1 or	A	e.g. 12.50 – 9.30 (=3 hrs 20 mins) oe **OR** 60 ÷ 12 (=5) **OR** Begins build to at least 10.06 am e.g. 9.42, 9.54, 10.06
	Full process to find the number decorated	2 or	B	e.g. 60 × '3' ÷ 12 (=15) **OR** 3 hrs 20 mins – 20 mins (=3) **and** '5' × '3' (=15)
	Accurate figure	3	BC	15
	Total marks for question	**3**		

3.

Question	Process	Mark	Mark Grid	Evidence
	Converts units	1	A	e.g. 0.9 (m) or 1200 (mm) or 650 (mm) or 450 (mm) May be seen in subsequent working
	Begins to work with perimeter or deals with the doorway or fireplace	1 or	B	6.5 + 4.5 + 6.5 + 4.5 (=22) oe **OR** 4.5 – '0.9' (=3.6) **OR** 6.5 – '1.2' (=5.3) **OR**
	Full process to find total length required or total number of lengths required	2	BC	e.g. 6.5 + 4.5 + 5.3 + 3.6 (=19.9) **OR** '22' – '0.9' – '1.2' (=19.9) **OR** '2.7..' + '1.875' + '1.5' + '2.2..' (=8.29..)
	Process to find the number of lengths of required	1 or	D	e.g. '19.9' ÷ 2.4 (=8.29..) **OR** 6.5 ÷ 2.4 (=2.708..)
	Accurate figure	2	DE	9 NB working must be shown
	Total marks for question	**5**		

4.

Question	Process	Mark	Mark Grid	Evidence
	Works with simple ratio	1 or	A	e.g. 56 ÷ 8 (=7) **OR** 1:8, 2:16, 3:24, 4:32, 5:40, 6:48
	Accurate figure	2	AB	7
	Valid check by reverse calculation	1	C	e.g. 8 × 7 = 56
	Total marks for question	**3**		

5.

Question	Process	Mark	Mark Grid	Evidence
Q9(a)	Begins to work with mean	1 or	A	7.6 + 6.25 + 5.85 + 6.65 + 8 (=34.35) **OR** 6.85 × 5 (=34.25)
	Full process to find figures to compare	2 or	AB	'34.35' ÷ 5 (=6.87) **OR** 7.6 + 6.25 + 5.85 + 6.65 + 8 (=34.35) **and** 6.85 × 5 (=34.25)
	Valid decision with accurate figures	3	ABC	No **AND** (£)6.87 **OR** No **AND** (£)34.35 **and** (£)34.25

6.

Question	Process	Mark	Mark Grid	Evidence
	Process to work with percentage or work with fraction or convert to common format	1 or	A	e.g. 20 ÷ 100 × 40 (=8) **OR** 40 ÷ 4 (=10) **OR** $\frac{1}{4}$ = 25% oe
	Process to work with percentage and fraction or work with common format	2 or	AB	e.g. 20 ÷ 100 × 40 (=8) **and** 40 ÷ 4 (=10) **OR** 100 – '25' – 20 (=55) oe
	Full process to find remaining	3 or	ABC	e.g. 40 – '8' – '10' (=22) **OR** '55' ÷ 100 × 40 (=22) oe
	Accurate figure	4	ABCD	22
	Total marks for question	**4**		