Entry 1-2, Entry 3-Level 1 and Level 2 Numeracy Quizzes Overview and teaching notes

Teaching Notes

These quizzes cover E1 through to L2 and are designed to provide a good spread across all the curriculum elements.

The three quizzes, for E1-2, E3-L1, and L2 make great 'end of term' activities and I've had a lot of fun with the learners when using these. The competitive streak is surprisingly high!

Each quiz has four rounds:

- a 'buzzer' round, so you need toys or items that make a noise - my students like the squeaky hedgehog and the quacky duck best!!
- a picture round (hence the separate PowerPoint presentations)
- a True or False round
- a 'team round' or 'timed round' (depending on level)

Teams work best at a max of 4 students per team. Scoring is either based as per the attached pages – a point for each correct question plus a bonus of 10 points if you get all questions right – or could be adjusted as required.

The final thing is to think of prizes. Most students work well with a box of Heroes or Celebrations as a goal (with a tube of Smarties for each losing team) but I've used button badges, cheap pencils and silly rubbers, vouchers for tea in the canteen - anything!

Han Dunsterville

Kindly contributed by Han Dunsterville http://www.256.eclipse.co.uk/teaching.htm, Canterbury College h.dunsterville@cant-col.ac.uk
These quizzes cover many aspects of the adult numeracy curriculum (all levels) and are accompanied by three separate PowerPoints (for the 'picture rounds') which can also be downloaded from www.skillsworkshop.org

Entry 1-2 Numeracy Quiz – instructions and questions

Quick fire round

Rules:

- I will read out each question in turn.
- Buzz in with your answer.
- You can confer, but only your first answer counts, so make sure you all agree before buzzing.
- When you buzz, you must answer. Otherwise, the question can be passed to the remaining teams for answering.
- One point per correct answer.

Questions:

1. 2 + 8 = 10
2. 8 + 5 = 13
3. 15 - 4 = 11
4. 3 x 7 = 21
5. 9 - 3 = 6
6. 7 + 6 = 13

Picture round

Rules:

- I will hand out (or display) each picture in turn, and read out the question.
- Write your answer clearly on the paper. Answers will be checked afterwards by the other teams.
- One point per correct answer.
- If you have answered every question correctly, you get a bonus of 10 points.

Questions:

1. How many apples are there? (six)
2. Draw a line on the paper, so that 4 eggs are on one side, and 3 on the other.
   (Note: line doesn't have to be straight)
3. How much money is there in the picture? (89p)
4. Draw the hands on the clock for half-past ten.
5. On the graph, draw in 5 items sold for May.
6. Circle the item we use for measuring lengths of wood. (Tape measure)
7. Colour in half of each of the shapes.
8. Circle all the odd numbers.

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Entry 1-2 Numeracy Quiz – instructions and questions

True or False?

Rules:

- I will read out each question in turn.
- Circle your answer clearly. Answers will be checked afterwards by me.
- One point per correct answer.
- If you have answered every question correctly, you get a bonus of 10 points.

Questions:

1. 7 is larger than 9 (F)
2. The '1' in the number '15' means 'tens' (T)
3. You could use centimetres for measuring how long your hand is (T)
4. ¾ is the same as ½ (F)
5. Yesterday the temperature was 8^{o}. Today it is 15^{o}. Today it is colder than yesterday. (F)
6. A square has four equal sides (T)

Team Round

Rules:

- There are 6 questions to answer. I will give them all to each team at the same time.
- You have a couple of minutes now to discuss your strategy with your team, how you will approach each question.
- One point per correct answer.
- If you have answered every question correctly, you get a bonus of 10 points.

Questions:

1. Draw a triangle.
2. January is the first month in the year. What is the fourth month? (April)
3. Write out ¼ in words. (a quarter [or] one-quarter)
4. Count how many people are in the room.
5. Write out the number 27, in words.
6. What colour is a five pound (£5) note? (blue)

Tie breaker

The time is 5 o'clock. What will the time be in 15 minutes?

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Entry 1-2 Numeracy Quiz – team answer sheet

Team name: _____

Round 1 (notes)

Round 2 (pictures)

1. 5.
2. 6.
3. 7.
4. 8.

Round 3

1. TRUE or FALSE
2. TRUE or FALSE
3. TRUE or FALSE
4. TRUE or FALSE
5. TRUE or FALSE
6. TRUE or FALSE

Round 4

1. Draw a triangle.
2. January is the first month in the year.
   What is the fourth month? _____
3. Write out ¼ in words:_____
4. Count how many people are in the room: _____
5. Write 27, in words: _____
6. What colour is a five pound (£5) note? _____

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Entry 3 – Level 1 Numeracy Quiz – instructions & questions

Quick fire round

Rules:

- I will read out each question in turn.
- Buzz in with your answer.
- You can confer, but only your first answer counts, so make sure you all agree before buzzing.
- When you buzz, you must answer. Hesitation will mean the other teams will get the point.
- If you answer incorrectly, the question can be passed to the remaining teams for answering.
- One point per correct answer.

Questions:

1.	72 ÷ 8	= 9
2.	38 + 54	= 92
3.	A fifth of 85	= 17
4.	23 x 9	= 207
5.	One-half + one-quarter	= three-quarters
6.	52 - 39	= 13
7.	17 + 28	= 45
8.	16 x 5	= 80

Picture round

Rules:

- I will hand out each picture in turn, and read out the question.
- Write your answer clearly on the paper. Answers will be checked afterwards by the other teams.
- One point per correct answer.
- Bonus of 10 points if all questions are answered correctly.

Questions:

1. How many more fish did Team 7 catch than Team 3? (10 – 6 = **4**)
2. What is the perimeter of this room? (11 + 11 + 6 + 6 = **34m**)
3. What is the volume of this box? (**16cm^3**)
4. Which of these items will measure something in kilograms? (**scales**)
5. This is the mileage of a car. What is it to the nearest 100 miles? (**106,500**)
6. What was the smallest number of bottles of milk delivered in Week 2? (**502**)
7. How many people turned up to the afternoon session on Tuesday? (**17**)
8. I live in Penzance. If I catch the 0807 train, what time will I arrive in Bodmin Parkway? (**0930**)

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Entry 3 – Level 1 Numeracy Quiz – instructions & questions

True or False?

Rules:

- I will read out each question in turn.
- Ring your answer clearly. Answers will be checked afterwards by me.
- One point per correct answer.
- Bonus of 10 points if all questions are answered correctly.

Questions:

1. One-quarter = 0.25 (T)
2. 27 and 32 can BOTH be divided by three (F)
3. 45mm = 4.5 cm (T)
4. 'One third' written as a fraction is 3/1 (F)
5. Today the temperature is 3^{o}. Yesterday it was -2^{o}. Today it is colder than yesterday. (F)
6. Half past eight in the evening is written as 2030 in the 24-hour clock (T)
7. 3269 rounded to the nearest 10 is 3270 (T)
8. 0.05 is bigger than 0.2 (F)

Timed round

Rules:

- You will have 10 minutes to answer 8 questions.
- All questions will be given to each team at once.
- You have a couple of minutes now to discuss your strategy with your team, how you will approach each question.
- You may 'buzz' in earlier if you answer before your 10 minutes is up. If you have answered every question correctly, you get a bonus of 10 points. The other teams will be allowed to complete their ten minutes if they wish.

Questions:

1.	108 ÷ 12	= 9
2.	14 x 23	= 322
3.	23 x 5	= 115
4.	Two-thirds of 78	= 52
5.	A quarter of 104	= 26
6.	46 - 25	= 21
7.	69 ÷ 3	= 23
8.	60% of 900	= 540

Tie breaker

A film has a running time of 75 minutes. What is this in hours and minutes?
(1 hour 15 minutes)

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Entry 3 – Level 1 Numeracy Quiz – team answer sheet

Team name: _____

Round 1 (notes)

Round 2 (pictures)

1.
2.
3.
4.
5.
6.
7.
8.

Round 3

1. TRUE or FALSE
2. TRUE or FALSE
3. TRUE or FALSE
4. TRUE or FALSE
5. TRUE or FALSE
6. TRUE or FALSE
7. TRUE or FALSE
8. TRUE or FALSE

Round 4

1. 108 ÷ 12
2. 14 x 23
3. 23 x 5
4. Two-thirds of 78
5. A quarter of 104
6. 46 - 25
7. 69 ÷ 3
8. 60% of 900

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Level 1 – 2 Numeracy Quiz – instructions & questions

Quick fire round

Rules:

I will read out each question in turn.
Buzz in with your answer.
You can confer, but only your first answer counts, so make sure you all agree before buzzing.
When you buzz, you must answer. Hesitation will mean the other teams will get the point.
If you answer incorrectly, the question can be passed to the remaining teams for answering.
One point per correct answer.

Questions:

1. 72 ÷ 8 = 9
2. 38 + 54 = 92
3. A fifth of 85 = 17
4. 0.85 - 0.49 = 0.36
5. One-half + one-quarter = three-quarters
6. 52 - 39 = 13
7. 17 + 28 = 45
8. Three-eighths of 120 = 45

Picture round

Rules:

I will hand out each picture in turn, and read out the question.
Write your answer clearly on the paper. Answers will be checked afterwards by the other teams.
One point per correct answer.
Bonus of 10 points if all questions are answered correctly.

Questions:

1. What is this chart missing? (the vertical axis doesn't have a label)
2. What is the perimeter of this room? (44m)
3. What is the volume of this room? (20.25m^3)
4. What is the actual size of this room? (16m x 14m [or] 1600cm x 1400cm)
5. This is the mileage of a car. What is it to the nearest 100 miles? (106,500)
6. What is the mean number of bottles of milk delivered on Fridays? (536)
7. How many people turned up to the afternoon session on Tuesday? (17)
8. I live in Redruth. I need to get to Plymouth by 10 a.m. What train should I catch? (0807)

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Level 1 – 2 Numeracy Quiz – instructions & questions

True or False?

Rules:

I will read out each question in turn.
Ring your answer clearly. Answers will be checked afterwards by me.
One point per correct answer.
Bonus of 10 points if all questions are answered correctly.

Questions:

1. One-eighth = 0.125 (T)
2. Speed = distance multiplied by time (F)
3. 45mm = 4.5 cm (T)
4. 30% written as a fraction is 100/30 (F)
5. Today the temperature is 3^{o}. Yesterday it was -2^{o}. Today it is colder than yesterday. (F)
6. The most frequently occurring number in a group of numbers is the mode (T)
7. 3269 rounded to the nearest 100 is 3300 (T)
8. In a calculation, addition is more important than subtraction (F)

Timed round

Rules:

You will have 10 minutes to answer 8 questions.
All questions will be given to each team at once.
You have a couple of minutes now to discuss your strategy with your team, how you will approach each question.
You may 'buzz' in earlier if you answer before your 10 minutes is up. If you have answered every question correctly, you get a bonus of 10 points. The other teams will be allowed to complete their ten minutes if they wish.

Questions:

1.	108 ÷ 12	= 9
2.	14 x 23	= 322
3.	23 x 5	= 115
4.	Two-thirds of 78	= 52
5.	A quarter of 104	= 26
6.	46 - 25	= 21
7.	69 ÷ 3	= 23
8.	60% of 900	= 540

Tie breaker

You need 100g of flour, 50g of sugar and 50g of butter to make a crumble mix.
Write this out as a ratio in its smallest terms. (2:1:1)

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Entry 3 – Level 1 Numeracy Quiz – team answer sheet

Team name: _____

Round 1 (notes)

Round 2 (pictures)

1.
2.
3.
4.
5.
6.
7.
8.

Round 3

1. TRUE or FALSE
2. TRUE or FALSE
3. TRUE or FALSE
4. TRUE or FALSE
5. TRUE or FALSE
6. TRUE or FALSE
7. TRUE or FALSE
8. TRUE or FALSE

Round 4

1. 108 ÷ 12
2. 14 x 23
3. 23 x 5
4. Two-thirds of 78
5. A quarter of 104
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