

## Appendix 3 – Learner work

Learner work which has been underlined showing an adapted approach students have developed with highlighting or underlining key facts before answering.

Prior to the intervention, they just answered worded questions by applying any mathematical operation without any rationale.

Starter questions Rounding numbers

1. Round

a) 26723 to the nearest thousand

b) 6453 to the nearest hundred

c) 87536 to the nearest ten

2. Round 8.63521 correct to

a) 1 significant figure 8

b) 2 significant figures 8.6

c) 3 significant figures 8.64

*Handwritten notes: T, H, T, U, T, U, T, U*

Is he right? No £2.01 is smaller

6. Anton is buying supplies for a charity event.

A pack of 50 paper cups costs £1.89.  $5 \times 50 = 250$   $5 \times 1.89 = 9.45$

A pack of 10 paper plates costs 49p.

Anton has £15 to spend.

Anton buys 250 paper cups and spends the rest on paper plates.

How many paper plates can he buy?  $15 - 9.45 = 5.55$

$5.55 \div 0.49 = 11$  packs

11 x 10 = 110 paper plates

Here are some properties of number

|   |           |                        |
|---|-----------|------------------------|
| A | Even      | 2, 4, 6, 8, 10, 12, 14 |
| B | Odd       | 1, 3, 5, 7, 9, 11, 13  |
| C | Prime     | 2, 3, 5, 7, 11, 13     |
| D | Square    | 1, 4, 9, 16, 25, 36    |
| E | Two-digit | 10, 11, 12, 13         |

Key words

greater than  
less than  
less than or equal to  
greater than or equal to

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