

GRADE 3 MATHEMATICS

TERM 4 2024

MEMORANDUM

I. Numbers, Operations and Relationships

Circle the letter of the correct answer.

I.1 What is the number symbol for 2 tens, 4 hundreds and 6 units?

A. 642

☒ B. 246

C. 426

D. 264

(1)

I.2 What is the number name for 340?

A. three hundred and four

☒ B. three hundred and forty

C. thirty-four

D. three hundred and fourty

(1)

I.3 What is 50 more than 353?

A. 453

☒ B. 403

C. 393

D. 413

(1)

1.4 What is double 42?

☒ A. $80 + 4$

B. $80 + 2$

C. $60 + 4$

D. $80 + 6$

(1)

1.5 What is the half of 150?

A. 60

B. 65

C. 70

☒ D. 75

(1)

1.6 Round off 287 to the nearest ten.

A. 280

B. 285

☒ C. 290

D. 300

(1)

1.7 Which number sentence is incorrect?

A. $5 \times 6 = 30$

☒ B. $6 \times 3 = 19$

C. $7 \times 2 = 14$

D. $4 \times 4 = 16$

(1)

1.8 Choose the correct operation sign $375 \text{ ____ } 50 = 325$

A. $\times$

B. $\div$

C. $+$

D. $-$

(1)

1.9 a) Convert from Rands to Cents.

$$R5,65 = \underline{565c}$$

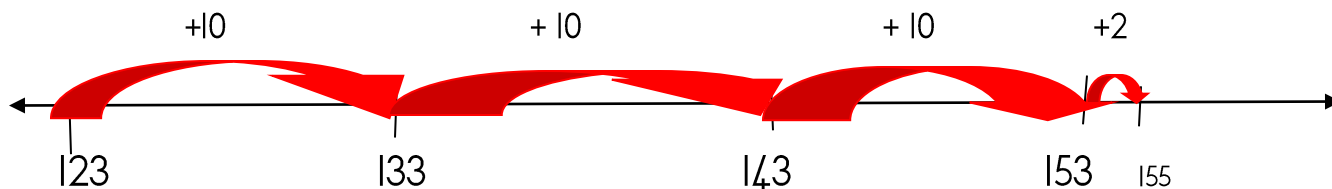
b) Draw notes and coins to represent the amount.



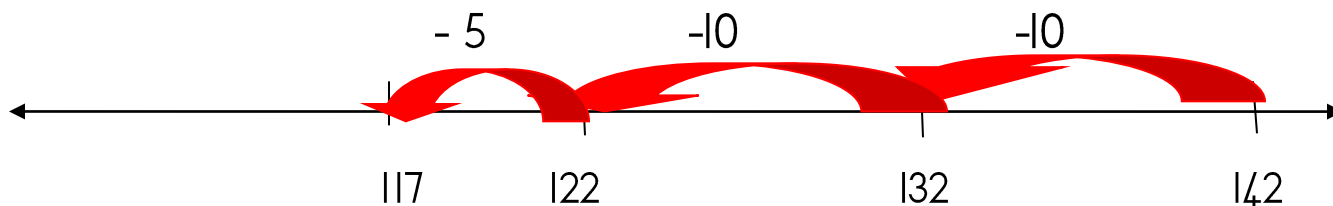
(2)

1.10 Use the jump strategy to complete the number line.

a) $123 + 32 = \underline{155}$



b) $142 - 25 = \underline{117}$



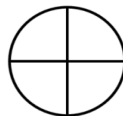
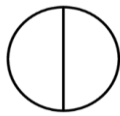
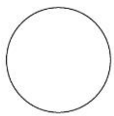
(4)

I.1 Use the breakdown method to complete the following sums.

a) Addition	b) Subtraction
$345 + 247 =$ $345 + 200 + 40 + 7$ $545 + 40 + 7$ $585 + 7$ $= 592$	$463 - 126 =$ $463 - 100 - 20 - 6$ $363 - 20 - 6$ $343 - 6$ $= 337$

(2)

I.12 Fractions



Tick the correct answer

a) One-half is the same as:

one quarter ☐

two quarters ☒

one whole ☐

two-thirds ☐

b) Four quarters is the same as one whole.

(2)

I.13 Problem Solving

a) Ellen lost 57 Lego blocks.

He now has 103 Legos blanks.

How many did he have to begin with? 160

$103 + 57$ $103 + 50 + 7$ $153 + 7$ $= 160$
--

(2)

- b) The bike Rental Shop charges R65 per hour to rent a bike.
 Bheki paid R195 to rent a bike.
 For how many hours can he rent the bike?

hours	1	2	3
Bike rental	R65	R130	R195

He can ride the bike for 3 hours. (2)

- c) A ticket to ride the Ferris wheel costs R24. Dad buys 4 for the family.
 He pays with R100. How much change does he get?

$$\begin{aligned}
 &R24 \times 4 \\
 &R20 \times 4 = R80 \\
 &R4 \times 4 = R16 \\
 &\quad = R96 \\
 &R100 - R96 = R4
 \end{aligned}$$

He gets R4 change. (2)

- d) There are 4 petals on a flower. How many petals are there on 12 flowers?

flowers	1	2	3	4	5	6	7	8	9	10	11	12
petals	4	8	12	16	20	24	28	32	36	40	44	48

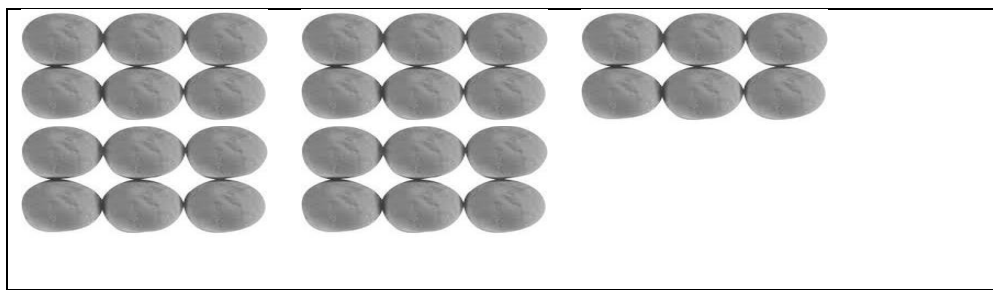
Write a number sentence: $12 \times 4 = 48$ (2)

e) Janie invited 20 friends to his birthday party. A quarter of them were girls. How many were boys?

1 quarter = 5 girls	1 quarter = 5 boys	1 quarter = 5 boys	1 quarter = 5 boys
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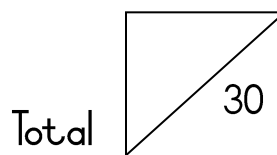
There were 3 quarters = 15 boys. (2)

f) A baker bakes 30 rolls. There must be half a dozen in each pack. How many packs of rolls will there be?



Write a number sentence: $30 \div 6 = 5$

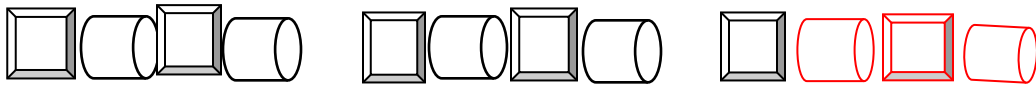
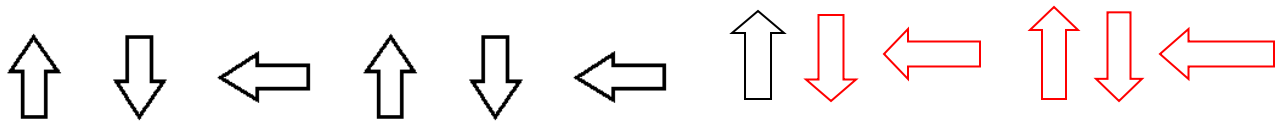
There are 5 packs of rolls. (2)



2. Patterns, Functions and Algebra

2.1 Geometric Patterns

a) Complete the pattern.



b) Create your own geometric pattern.

(3)

2.2 Number Patterns

a) Arrange the following numbers in descending order.

275; 725; 527; 752; 572; 257

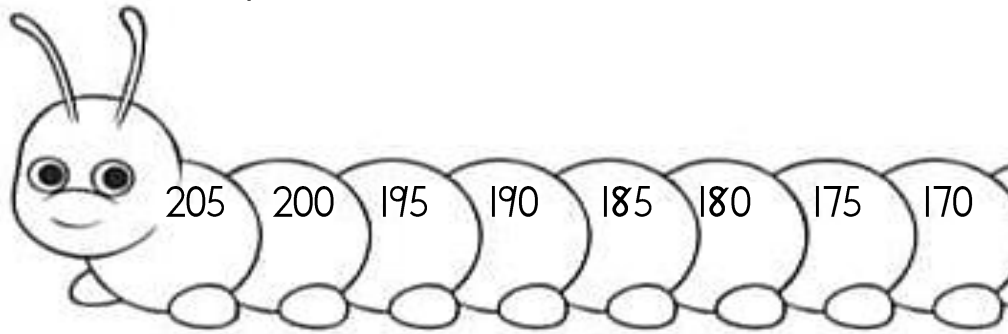
752, 725, 572, 527, 275, 257

b) Fill in the missing numbers.

459, 449, 439, 429, 419, 409, 399

336, 339, 342, 345, 348, 351, 354

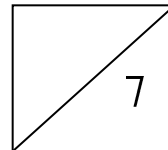
c) Describe the pattern.



Counting backwards in 5s.

(4)

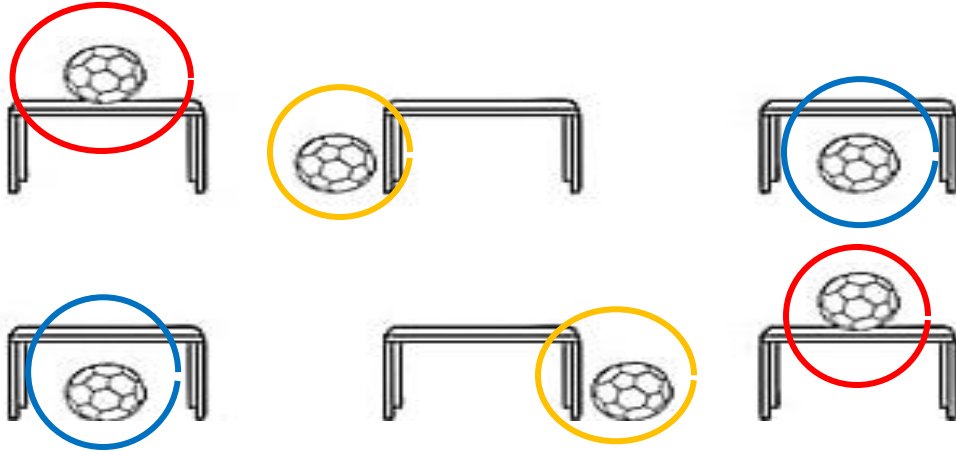
Total



3. Space and Shape

3.1 Position

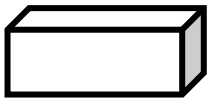
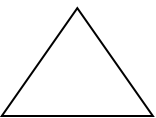
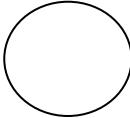
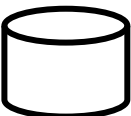
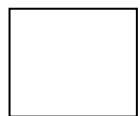
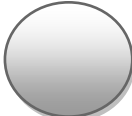
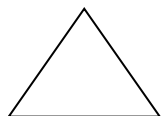
Read the instructions and colour the balls accordingly.



(3)

- i) Circle the balls on top of the table red.
- ii) Circle the balls under the table blue.
- iii) Circle the balls next to the table yellow.

3.2 a) Colour the 2D shapes that make up the surfaces of the 3D shape.

(2)

b) How many surfaces/faces does a cube have? 6 faces

c) Does a pyramid roll or slide? slide

(2)

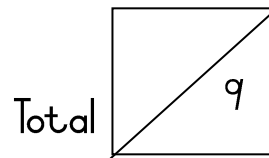
3.3 Complete the grid.

5					
4					
3					
2					
1					
	A	B	C	D	E

a) In which block is the milk? D3

b) Draw a cow across block A2 and B2.

(2)



4. Measurement

4.1 Calendar

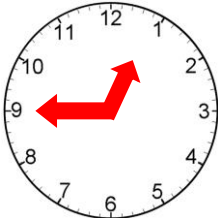
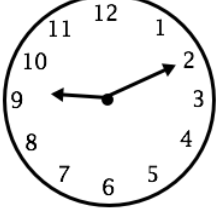
December 2024

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11 	12	13	14
15	16	17	18	19	20	21
22	23	24	25 	26	27	28
29	30	31				

a) How many school days are there in December? 8 days

b) On which day is Christmas? 25th December (2)

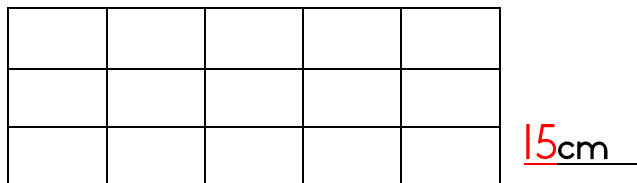
4.2 Time

a) Draw the time on the clock	b) Write the digital time
	
12:45	09:10

(2)

4.3 Area

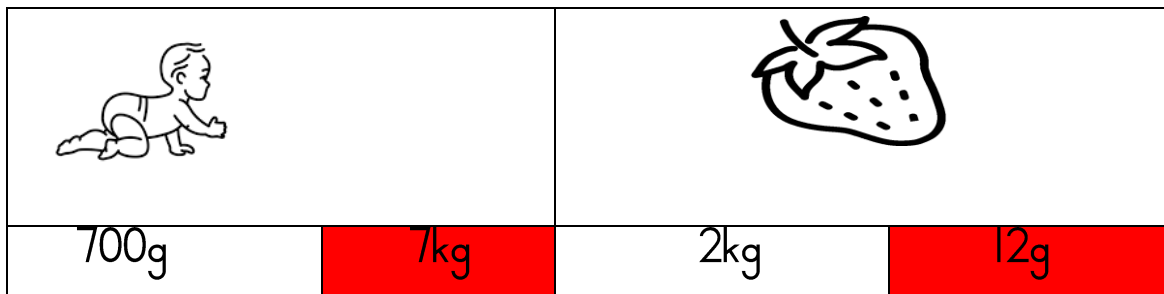
Write down the area of the block in cm.



(1)

4.4 Mass

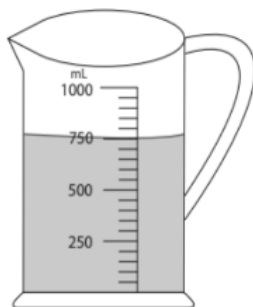
Colour the appropriate measurement for each item.



(2)

4.5 Capacity

Look at the picture and answer the question.



I need 250 ml to make 1 Litre.

(1)

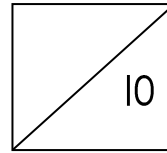
4.6 Length

Carl is 150cm tall. His dad is 25cm taller than him and his mom is 10cm shorter than his dad.

How tall is Carl's dad? 175cm

How tall is Carl's mom? 165cm (2)

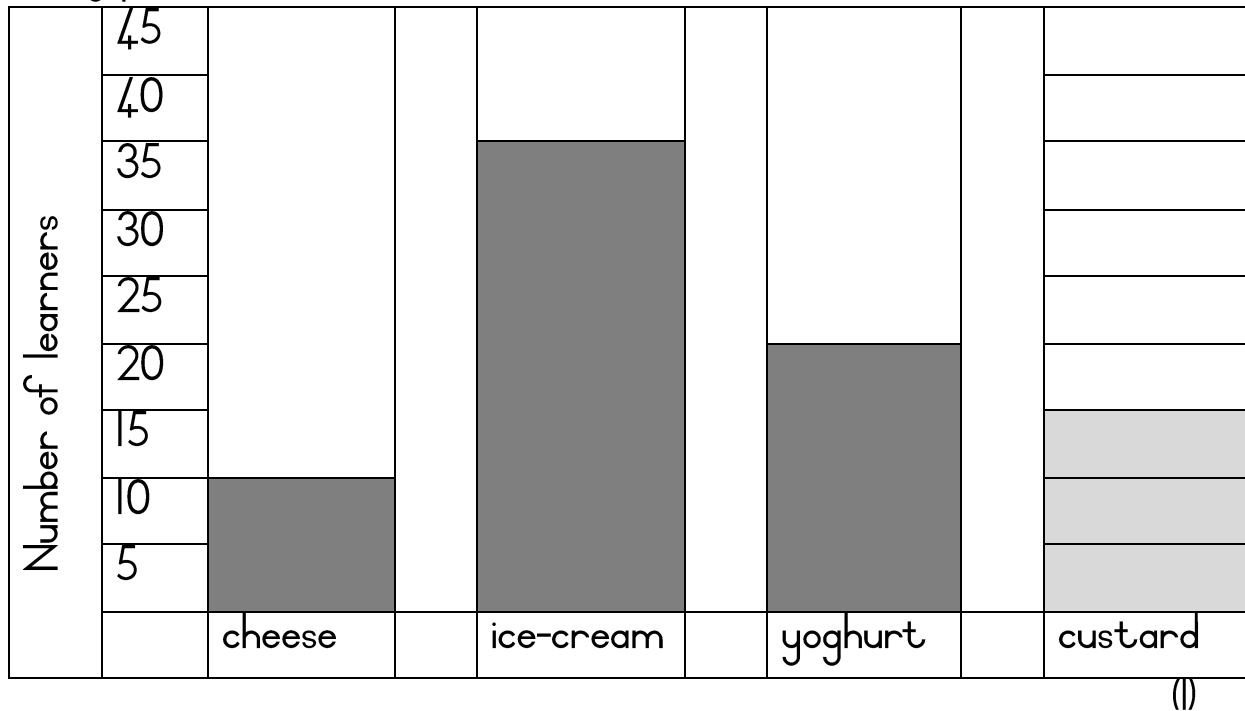
Total



5. Data Handling

Study the bar graph and answer the questions.

A survey was completed with the Grade 3 learners about their favourite milk by-product.



- There are 15 children who liked custard. Plot it on the graph.
- What was the most liked dairy by-product? ice-cream
- How many more learners liked yoghurt than cheese? 10 more
- How many learners were there altogether? $10 + 35 + 20 + 15 = 80$

(3)

