

GRADE 3 MATHEMATICS

TERM 2 2024

MEMORANDUM

I. Numbers, Operations and Relationship.
Circle the letter of the correct answer.

I.1 The number 248 in words

- A. two hundred and eighty-four
- ☒ B. two hundred and forty-eight
- C. two hundred and forty-eight
- D. two hundred and forty-four

(1)

I.2 The number symbol for one hundred and fifty-two

- A. 125
- B. 245
- C. 253
- ☒ D. 152

(1)

I.3 The number 145 in the expanded note.

- ☒ A. $100 + 40 + 5$
- B. $100 + 4 + 50$
- C. $40 + 100 + 5$
- D. $105 + 5 + 40$

(1)

I.4 Write the number $200+10+8$ in short form.

- A. 208
- B. 286
- ☒ C. 218
- D. 281

(1)

1.5 The number made up of 5 tens, 1 hundreds and 9 units is:

A. 124

B. 195

☒ C. 159

D. 193

(1)

1.6 The number that is 20 less than 165 is:

☒ A. 145

B. 185

C. 135

D. 167

(1)

1.7 The number that is bigger than 189.

A. 179

☒ B. 199

C. 187

D. 188

(1)

1.8 What is 219 rounded off to the nearest ten?

A. 210

B. 200

☒ C. 220

D. 229

(1)

1.9 Two quarters is equal to:

A. two thirds

☒ B. one half

C. one whole

D. two fifths

(1)

I.10 What does the underlined digit represent?

$$575 = \underline{5}00$$

(1)

I.11 Fractions

Place $<$, $>$ or $=$ sign between each pair of fractions to make correct statements.

a) one half $\equiv$ two quarters

(1)

I.12 Money

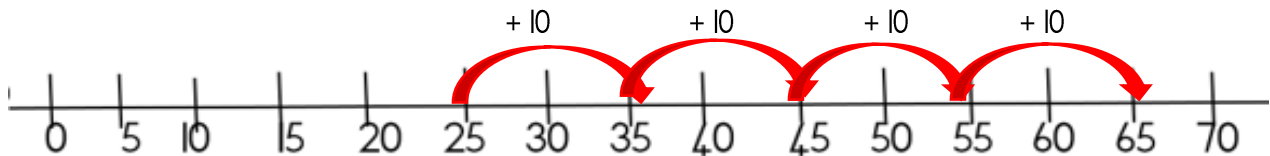
a) Travis has one 50c coin and five 20c coins. Toffees cost R1,20. How much change will he get? 30c

(1)

I.13 Do the sum on the number line using the jump strategy.

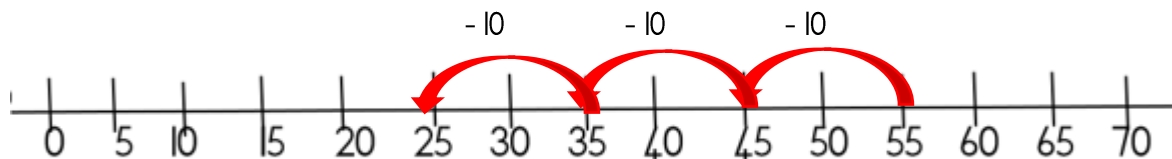
a) $25 + 40 = \underline{65}$

(1)



b) $55 - 30 = \underline{25}$

(1)



I.14 Calculate the following.

(2)

Addition (break down the second number)	Subtraction (break down the second number)
$254 + 35 =$ $= 254 + 30 + 5$ $= 284 + 5$ $= 289$	$298 - 76 =$ $= 298 - 70 - 6$ $= 228 - 6$ $= 222$

1.15 Word problems

- a) James had 132 marbles. He won 62 more marbles during the break. How many marbles does he have altogether? (2)

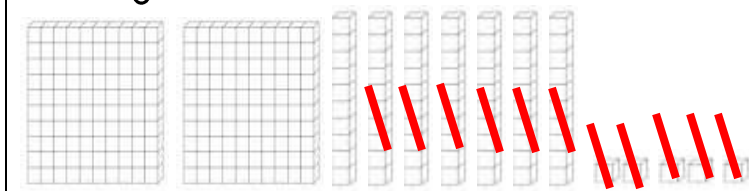
Show your calculation here.



Answer: $132 + 62 = 194$

- b) A tank holds 275 litres of water. If 65 litres are taken out, how many litres of water will be left in the tank? (2)

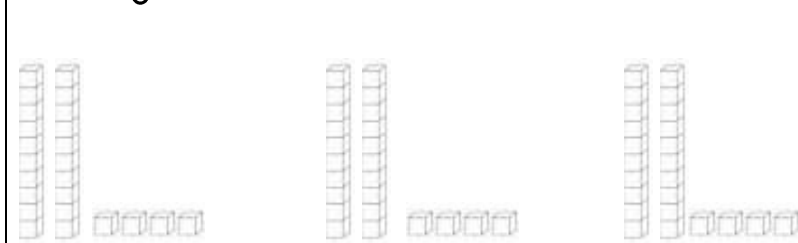
Show your calculation here.



Answer: $275 - 65 = 110$

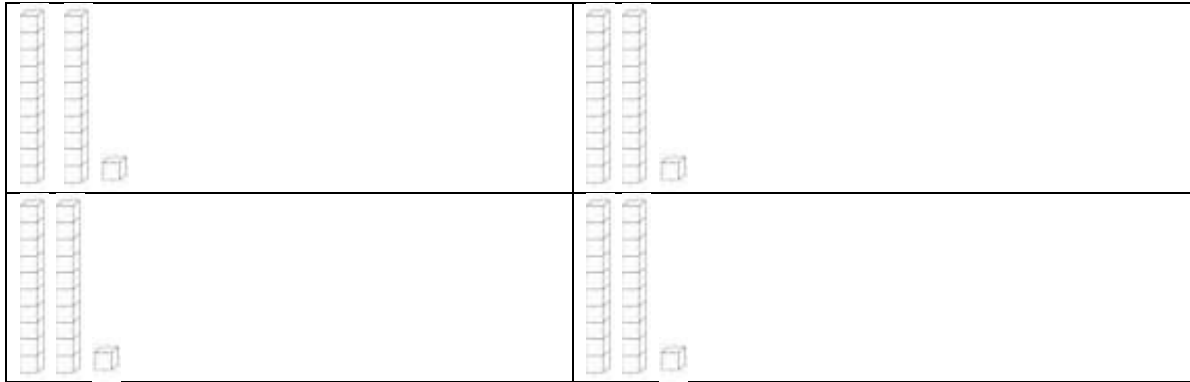
- c) Joe has 24 stickers. Jane has three times as many as Joe. How many stickers does Jane have? (2)

Show your calculation here.



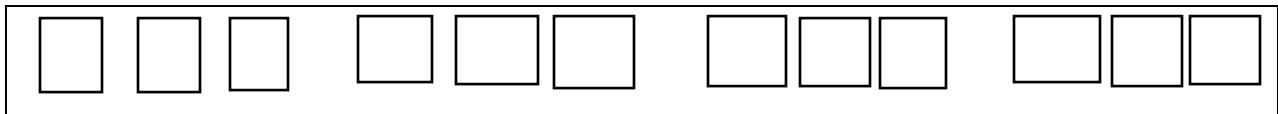
Write the number sentence: $24 + 24 + 24 = 72$

d) Share R84 equally among 4 children. How much money will each child get? (2)



Number sentence: $84 \div 4 = 21$

e) Mother must share 12 slices of bread equally between her daughter and two sons. (2)



What fraction must each child get? A quarter

How many slices of bread will each child get? 3 slices

f) A teacher makes 9 groups of seven learners. How many learners are there altogether? 63 learners (2)

groups	1	2	3	4	5	6	7	8	9
learners	7	14	21	28	35	42	49	56	63

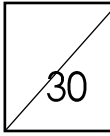
g) Grade 3 learners need R359 for the class camp. They have collected R250. How much more money do they need? (1)

$R359 - R250 = R109$

h) Julie read 25 pages of the book today. If Josh reads 17 pages. How many more pages must Josh read to have the same as Julie?

$$\underline{25 - 17 = 8}$$

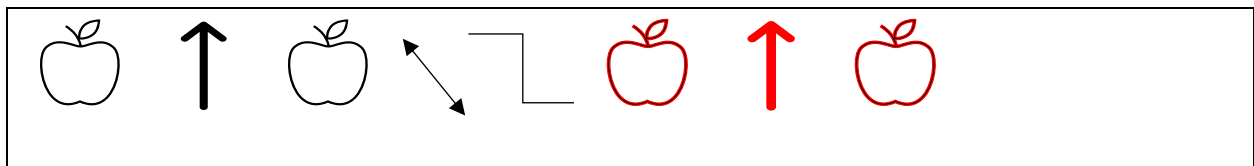
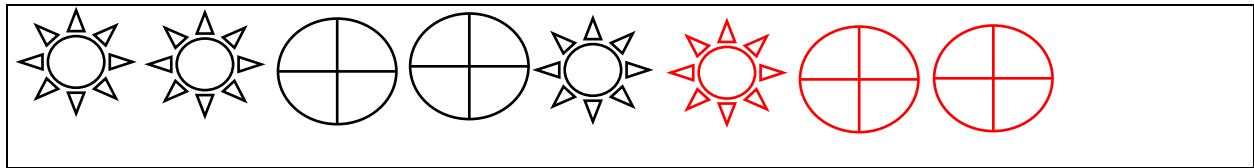
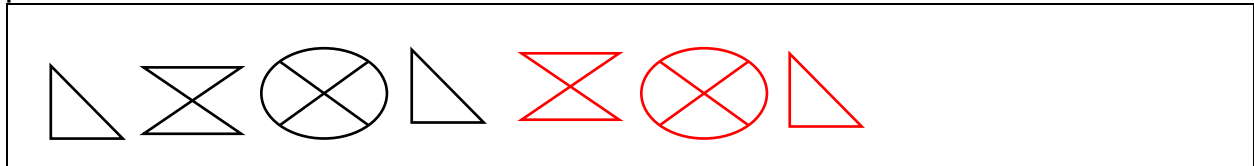
(1)

Total 

2. Patterns, Functions and Algebra

2.1 Geometric Patterns

a) Draw the **next three** diagrams in each of the repeating diagram patterns.



(3)

c) Create your pattern using   



(1)

2.2 Number Patterns

1.1 Complete the number pattern.

7, 14, 21, 28, 35, 42, 49

1.2 Arrange the numbers in ascending order.

241, 240, 239, 237, 242, 238

237, 238, 239, 240, 241, 242

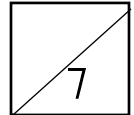
1.3 Arrange the numbers in descending order.

342, 345, 346, 341, 344, 340

346, 345, 344, 342, 341, 340

(3)

Total



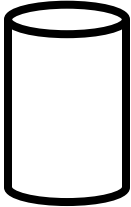
3. Space and shape

3.1 Underline the correct shape that the object has.

Object	Shape
	<u>cube</u> cylinder sphere
	cube <u>rectangular prism</u> cylinder
	cube <u>sphere</u> cylinder

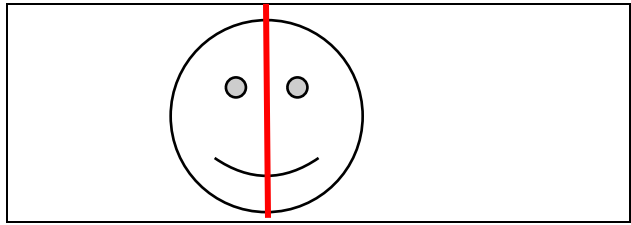
(3)

3.2 Complete the information of the 3D object.

	Name: <u>cylinder</u> Faces: <u>2</u> Edges: <u>0</u>
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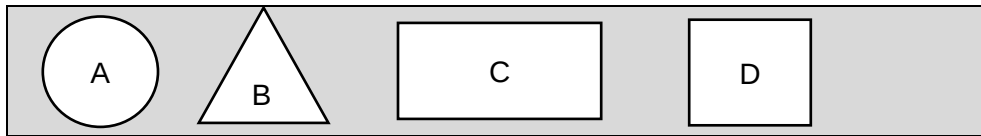
(3)

3.3 Draw the line of symmetry for the following shapes.



(1)

3.4 Which of the 2-D shapes below are used to make the following 3-D objects?

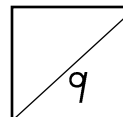


a) a rectangular prism C

b) a cylinder A

(2)

Total



Measurement

4.1 Indicate which shape is **heavy** and which shape is **light**

	<u>light</u>
	<u>heavy</u>

(2)

4.2 Conversions

Converts the grams into kilograms.

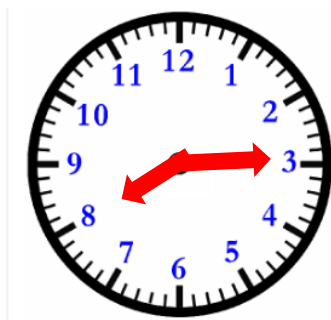
a) $1000\text{g} = 1\text{ kg}$

b) $2500\text{g} = 2.5\text{ kg}$

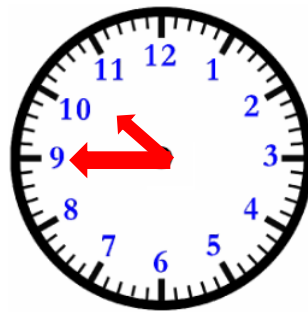
(2)

4.3 Time

a) Fill in the times on the clocks



quarter past 8



quarter to 11

(2)

b) James leaves home at 8 am and arrives at school at 8:30 am. How long did it take him to walk to school? 30 minutes

c) One cake uses 250g of flour. How much flour will I need for 4 cakes?

1000g = 1kg

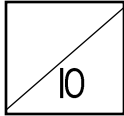
d) One year has 365 days. How many days are there in two years?

730

e) If yesterday was Tuesday, what day will it be the day after tomorrow?

Wednesday

(4)

Total 

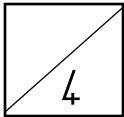
5. Data handling

5.1 Look at the Tally graph and answer the questions.

Food Items	Tally Marks
burger	
cake	
patties	
ice-cream	
fries	
fried rice	

Answer the following questions.

- How many burgers were sold? 18
- How many patties and fried rice were sold altogether?
 $10 + 11 = 21$
- What is the difference between fried rice and cakes?
 $19 - 11 = 8$
- Double the total of ice-creams sold? $24 + 24 = 48$

Total 

(4)