

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Grade 3 \_\_\_\_\_

Section A		Section B		Section C		Section D		Section E	
Number Operations		Patterns, Functions and Algebra		Space and shape		Measurement		Data handling	
35		10		10		10		5	

**Section A: Number Operations and Relations**

**(30)**

1.1. Fill in the > < or = sign:

(3)

1.1.1. 240 < 356 ✓

1.1.2. 1 hundred+ 8 tens + 7 units > 132 ✓

1.1.3. 417 < 471 ✓

1.2. Write the number name for: *Spelling has to be correct.*

(1)

492 four hundred and ninety two. ✓

1.3. Write the number symbol for:

(1)

Three hundred and twelve 312 ✓

1.4. What is the place value and value of the underlined digit? *1 mark for both place value and value. (2)*  
*If one is wrong, learner loses a mark. No half marks.*

Number	Place value	Value
<u>5</u> 67	6t	60 ✓
4 <u>2</u> 3	4h	400 ✓

1.5. Circle the correct answer:

(1)

374 rounded off to the nearest 10 is:

a. 380

**(b)** 370 ✓

c. 375

1.6. Write a multiplication sum for the following addition sum:

(1)

$4+4+4+4+4+4=$  24

4 x 6 = 24 or 6 x 4 = 24

1.7. Use the decomposition method to calculate the following:

(12)

1. $376+135$	2. $453-231$
= $(300+70+6) + (100+30+5)$	= $(400+50+3) + (200+30+1)$
= $(300+100) + (70+30) + (6+5)$ ✓	= $(400-200) + (50-30) + (3-1)$ ✓
= $400+100+11$ ✓	= $200+20+2$ ✓
= $511$ ✓	= $222$ ✓
3. $64 \times 4$	4. $48 \div 4$
= $(60+4) \times 4$	= $(40+8) \div 4$
= $(60 \times 4) + (4 \times 4)$ ✓	= $(40 \div 4) + (8 \div 4)$ ✓
= $240+16$ ✓	= $10+2$ ✓
= $256$ ✓	= $12$ ✓

1.8. Use the break-up method to complete:

(6)

Double 253	Half of 224
= $200+50+3$ ✓	= $200+20+4$ ✓
= $400+100+6$ ✓	= $100+10+2$ ✓
= $506$ ✓	= $112$ ✓

1.9. Pearl bought 63 apples. She shared them equally amongst 3 children. How many apples did each child get?

(2)

Sum:  $63 \div 3 = 21$  ✓

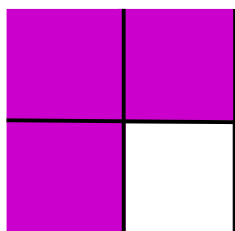
Answer: 21 ✓

### 1.10. Fractions

1.10.1. Colour in these fractions:

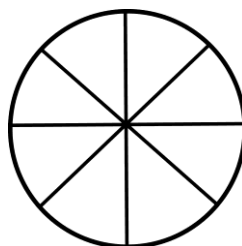
(3)

a)  $\frac{3}{4}$

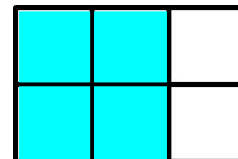


b)

$\frac{4}{8}$



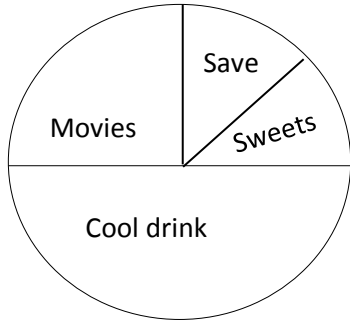
c)  $\frac{2}{3}$



Any 4 parts of the shape must be shaded.

1.10.2. Circle the correct answer. What fraction of money did I spend on:

(3)



a. Cool drink -  $\frac{1}{2}$   $\frac{1}{4}$   $\frac{1}{8}$  ✓

b. Movies -  $\frac{1}{2}$   $\frac{1}{4}$   $\frac{1}{8}$  ✓

c. Sweets -  $\frac{1}{2}$   $\frac{1}{4}$   $\frac{1}{8}$  ✓

**Section B: Patterns, Functions and Algebra**

2.1. Fill in the missing numbers to complete the pattern. Underline and complete the rule: (2)

130, 150, 170, 190, 210, 230, ✓

Counting (forwards, backwards) in 20s. ✓ 1 mark for entire rule if correct. No part marks.

2.2. Complete the patterns: 1 mark for entire counting pattern. No part marks. (3)

Forwards in 20s	340	360	380	400	420	✓
Backwards in 50s	99	149	199	249	299	✓
Forwards in 100s	154	254	354	454	554	✓

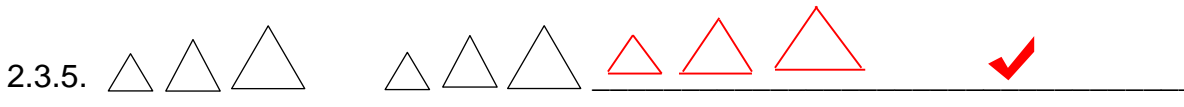
2.3. Extend the following patterns once: (5)

2.3.1 ✓

2.3.2 ✓

2.3.3 1 2 4 8 16 ✓

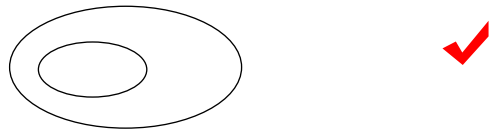
2.3.4 ✓



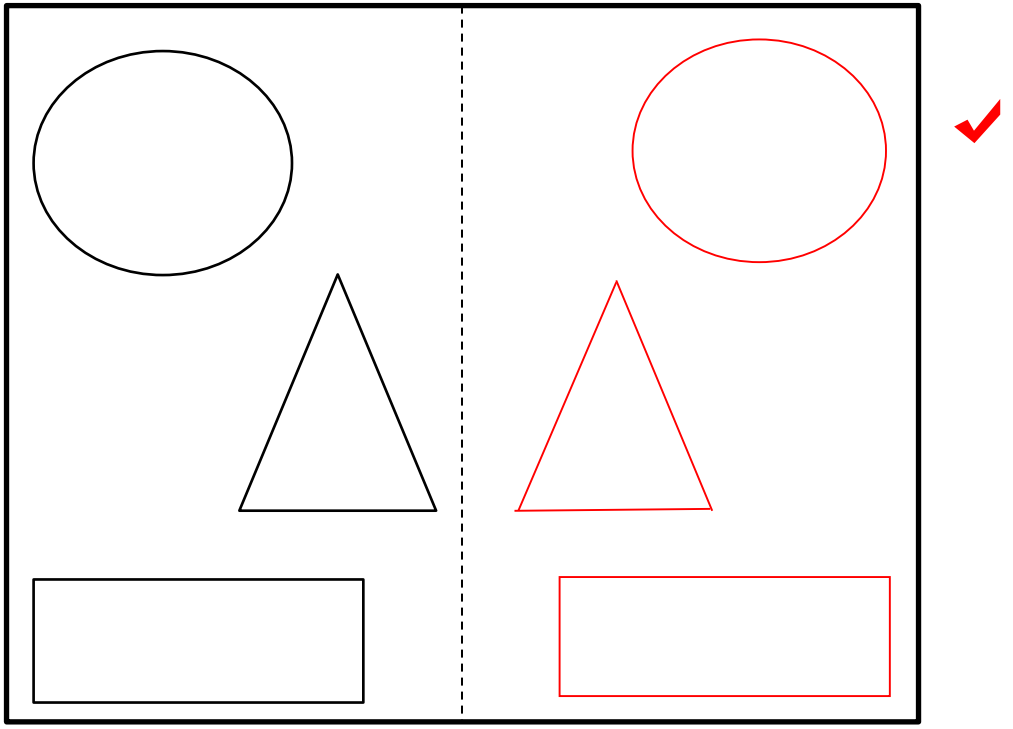
**Section C: Space and shape**

(10)





3.1. Draw a line of symmetry on the following shape: Line of symmetry has to be a dotted line that is drawn going over the outline of the shape. (1)



3.2. Draw shapes to make the picture symmetrical. If one shape is incorrect, answer is marked wrong. (1)








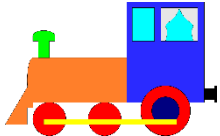






3.3. Say if the can is behind, in front of, next to or on top of the box. (4)

	behind	in front of		behind	in front of
	next to	on top of		next to	on top of
	behind	in front of		behind	in front of
	next to	on top of		next to	on top of

3.4. Look at the pictures and the co-ordinates in the grid below:

(4)

6				
5				
4				
3				
2				
1				
	A	B	C	D

a. Fill in the co-ordinates of:

The crocodile C6 ✓ (1)

The train D3 ✓ (1)

b. Which pictures are in:

B 4 Scissors ✓ (1)

C 2 Fish ✓ (1)

**Section D: Measurement**

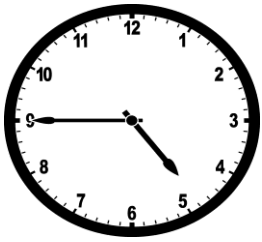
(10)

Answer each of the following questions based on **Mum goes shopping**

4.1. Mum has to be at work by 08:00. It takes her 15 minutes to get dressed, 20 minutes to eat and 45 minutes to walk to work. What is the latest time that she should get up? (Circle) (2)

(a) 07:00      (b) 06:40 ✓✓

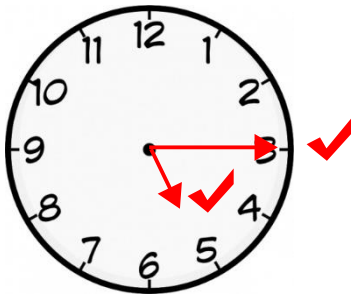
4.2. Mum leaves home in the afternoon at: (2)



Write this in digital form:

16 : 45 ✓✓

4.4. Mum goes back home at quarter past five in the afternoon. Draw the hands on the clock to show this time: (2)



Hour needle must be slightly after 5.

4.5. How long did mum take to do her shopping? It takes mum half an hour. ✓ (1)

**4.8. Word problem solving:**

4.8.1. The tailor has 69m of material. He wants to sew clothes for 3 customers using the same amount of material. How many meters of material will he use for each? (3)

$69/3$

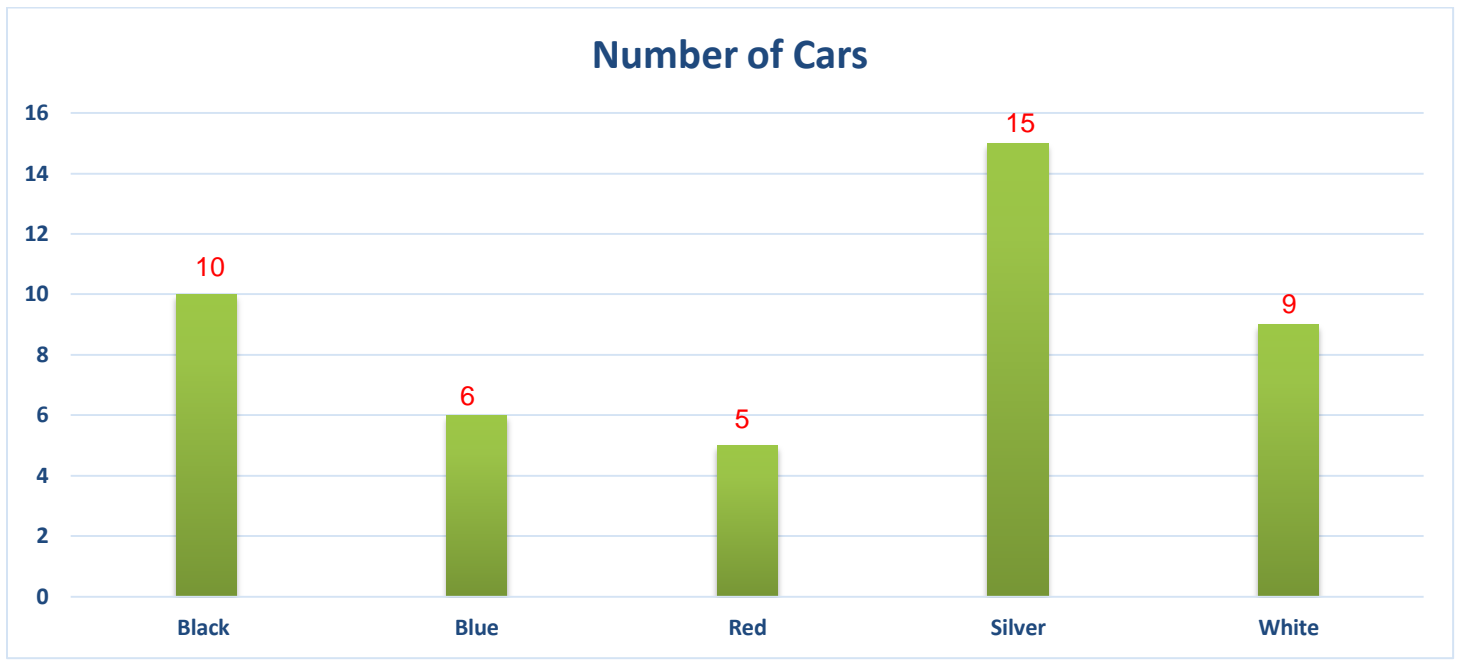
$= (60+9) / 3$

$= (60/3) + (9/3)$  ✓

$= 20+3$  ✓

$= 23m$  ✓

5.1. Look at the bar graph and answer the questions below.



- a) How many cars were counted in total? 45 ✓ (1)
- b) What is the least popular colour? Red ✓ (1)
- c) How many more black cars were there than white cars? 1 ✓ (1)
- d) How many fewer blue cars were there than silver cars? 9 ✓ (1)
- e) What is the difference between the most popular colour and the least popular colour?  
10 ✓ (1)



