# Grade F PROMPT sheet

## F/1 Number Patterns

- A list of numbers with a pattern is called a <u>SEQUENCE</u>
- The numbers are called TERMS
- A <u>'TERM TO TERM RULE'</u> tells you how to get from one term to the next

It might be add, subtract, multiply or divide by something





# F/3 <u>Multiply & Divide by 10 or 100</u>

- To <u>multiply</u> by 10, move each digit one place to the <u>left</u>
- e.g. 35.6 x 10 = 356

Hundreds	Tens	Units	•	tenths
	3	5	•	- 6
3 🖌	5 🖌	6	•	

• To <u>divide</u> by 10, move each digit one place to the <u>right</u>

e.g. 35.6 ÷ 10 = 356= 3.56

Tens	Units	•	tenths	hundredths
3 🔍	5 _	•	6	
	3	•	5	6

- To <u>multiply</u> by 100, move each digit 2 places to the <u>left</u>
- To <u>divide</u> by 100, move each digit 2 places to the <u>right</u>
- F3 <u>Multiply & Divide by 10 or 100</u> AN ALTERNATIVE METHOD Instead of moving the <u>digits</u>

Move the <u>decimal point the opposite way</u>

### F4 <u>Fraction</u>, <u>decimal</u>, <u>percentage</u> <u>equivalents</u>

# LEARN THESE:

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\frac{1}{4} = 0.25 = 25\%\frac{1}{2} = 0.5 = 50\%\frac{3}{4} = 0.75 = 75\%
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# F7 Use inverse operations • To undo ADD, just SUBTRACT e.g. 36 + 23 = 59 (59 - 36 = 23)• To undo MULTIPLY, just DIVIDE e.g. $7 \times 3 = 21 (21 \div 7 = 3)$ • Use balancing: $20 + 20 \times 4$ $20 + 20 \times 4$ $20 + 20 \times 4$ 20 + 60 = 80 (80 - 20 = 60)



Example

9 x 7 = 63  $63 \div 9 = 7$  $63 \div 7 = 9$ 







• To reflect a shape in a 45<sup>0</sup> line



Distances from shape to mirror and mirror to reflection must be same

Tracing paper is useful:

- 1. Trace the shape & the mirror line
- 2. Flip the tracing paper over the mirror line
- 3. Redraw the shape in its new position



#### F16 Rotate a shape

• To rotate a shape 180° about P



#### Tracing paper is useful:

- 1. Trace the shape
- 2. Hold the shape down with a pencil
- 3. Rotate tracing paper
- 4. Redraw the shape in its new position

# F17 <u>Use a ruler accurately</u>

Measure from O This line is 14.7cm long

# Use a protractor accurately



Count the number of degrees between the 2 arms of the angle. This angle is  $127^{\circ}$ 



Score on dice	Tally	Frequency
1	JHY JHY	10
2	IIII	4
3	JHT I	6
4	III	3
5	JHY III	8
6	1	1

#### F19<u>Record using a grouped frequency table</u>

Weight(w)	Tally	Frequency
15 ≤ w < 20		
20 <u>&lt;</u> w < 25		
25 <u>&lt;</u> w < 30		
30 <u>≤</u> w < 35		
35 <u>&lt;</u> w < 40		





#### F22 Mode and Range

- Mode is the most frequent measure
- Range is highest minus lowest measure

## F23 Language of probability

• Probability words are used to describe how likely it is that an event will happen.

Examples of probability words are

- certain
- likely
- even chance
- unlikely
- impossible

Other words:

- Equally likely when all outcomes have the same chance of occurring
- Biased when all outcomes do NOT have the same chance of occurring