

## Y10 Foundation Maths Weekly Task Grid – Week commencing 22<sup>nd</sup> June

This week's topic focus is **Frequency Polygons**

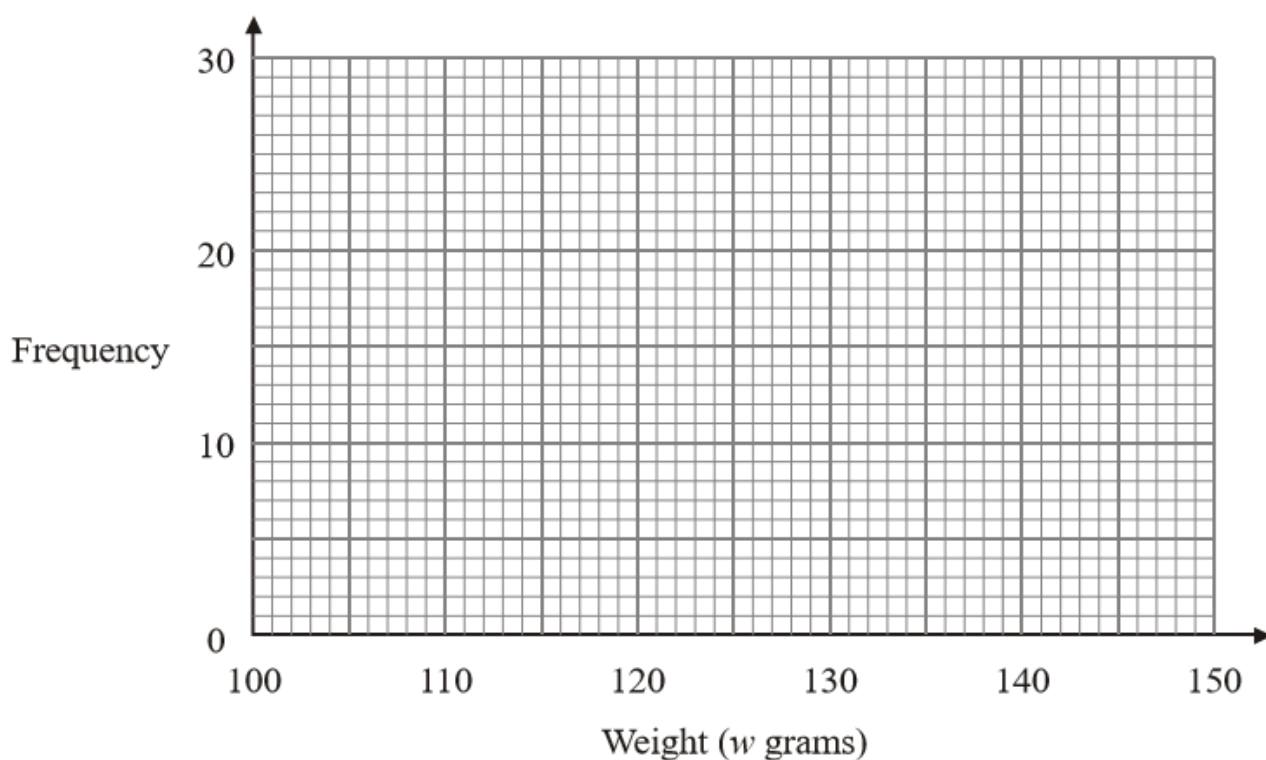
Please complete all 4 tasks.

<p style="text-align: center;"><b><u>Starter:</u></b></p> <p><b><u>Quick 10 (non-calc):</u></b></p> <ol style="list-style-type: none"><li>1) <math>7.5 \times 14.3</math></li><li>2) Share £35 in the ratio 6:1</li><li>3) Decrease 90 by <math>\frac{3}{4}</math></li><li>4) <math>9 - 42 \div 7 + \sqrt{25}</math></li><li>5) 8 pens cost 96p, how much would 13 pens cost?</li><li>6) Expand <math>4x(x + 2y)</math></li><li>7) Solve <math>4x - 11 = 13</math></li><li>8) What is the LCM of 12 and 18</li><li>9) Factorise fully <math>20x^2 + 12x</math></li><li>10) <math>\frac{3}{7} - \frac{2}{5}</math></li></ol>	<p style="text-align: center;"><b><u>Video on how to do it</u></b></p> <p style="text-align: center;"><b><i>Try to attend the zoom lesson first...</i></b></p> <p>You can <u>choose</u> which video you want to watch to refresh your memory on how to do frequency polygons</p> <p style="text-align: center;"><a href="#"><u>Video – frequency polygon</u></a></p> <p>Or</p> <p>Video maths genie <a href="#"><u>video – frequency polygons</u></a></p>
<p style="text-align: center;"><b><u>Practice Questions</u></b></p> <p>You can <u>choose</u> which questions you want to use to practice <b>Frequency Polygons</b>. The links to the answers are also provided so you can check them when you are finished.</p> <p style="text-align: center;"><a href="#"><u>frequency polygons</u></a></p> <p>Answers to check – frequency polygon <a href="#"><u>answers</u></a></p> <p>Or</p> <p><b>Frequency Polygons- MyMaths</b> - Log on with the details attached on show my homework and complete activity on Two Way Tables</p>	<p style="text-align: center;"><b><u>Exam Question Practice: Foundation</u></b></p> <p>Below are some practice paper questions</p>

4. The table shows some information about the weights ( $w$  grams) of 60 apples.

Weight ( $w$ grams)	Frequency
$100 \leq w < 110$	5
$110 \leq w < 120$	9
$120 \leq w < 130$	14
$130 \leq w < 140$	24
$140 \leq w < 150$	8

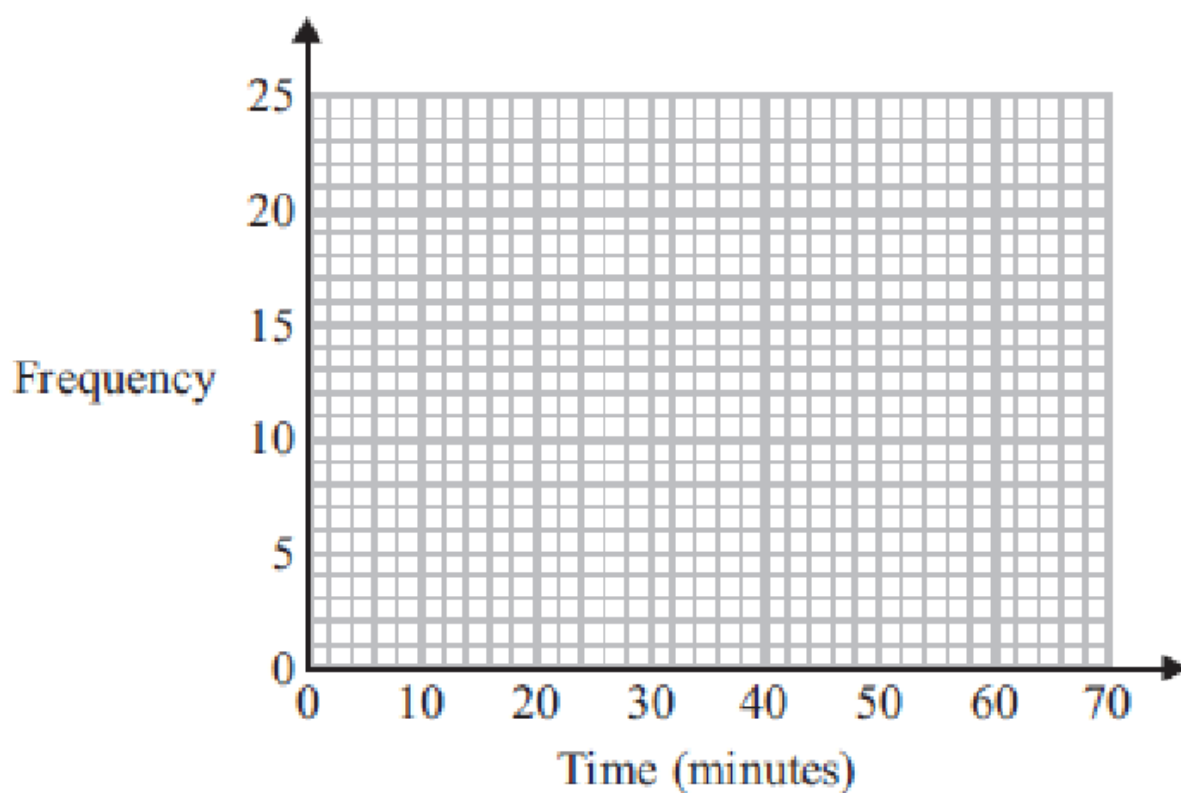
Draw a frequency polygon to show this information.



5. The frequency table gives information about the times it took some office workers to get to the office one day.

Time ( $t$ minutes)	Frequency
$0 < t \leq 10$	4
$10 < t \leq 20$	8
$20 < t \leq 30$	14
$30 < t \leq 40$	16
$40 < t \leq 50$	6
$50 < t \leq 60$	2

- (a) Draw a frequency polygon for this information.



- (b) Write down the modal class interval.

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(1)

One of the office workers is chosen at random.

- (c) Work out the probability that this office worker took more than 40 minutes to get to the office.

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(2)