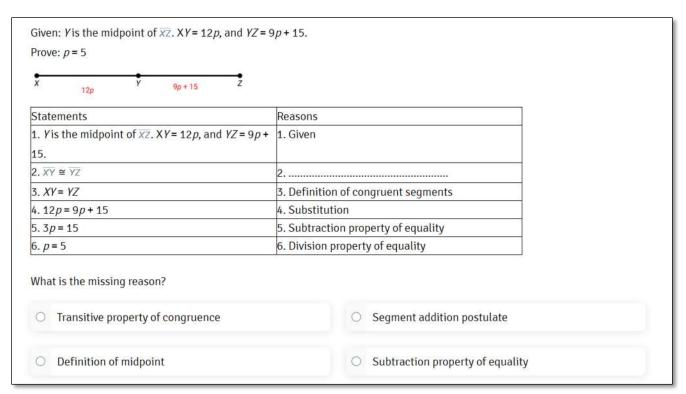
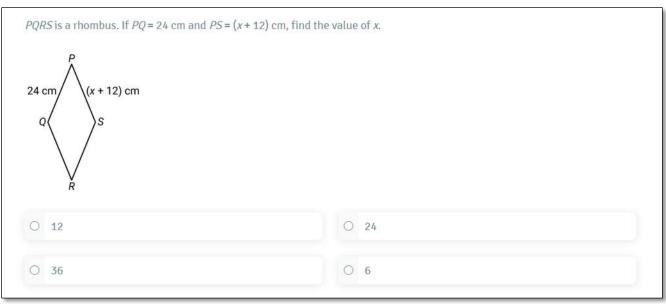


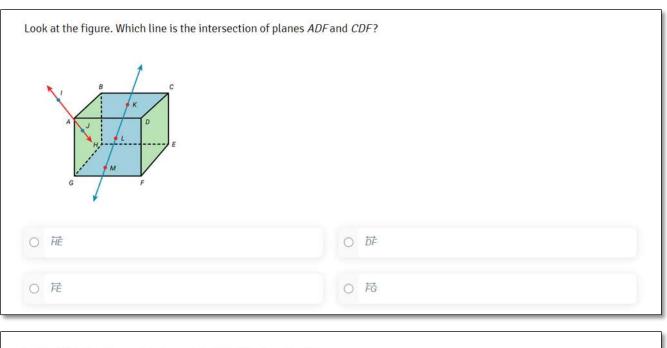
Grade 8 Mathematics Term 3 Revision Mr.Ahmed Ahmed (2)

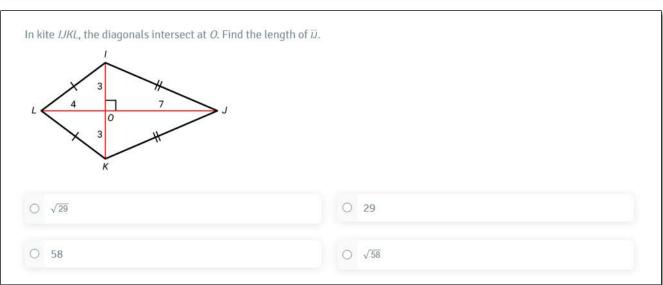
The number of boys and girls in different grades of a school are given in the table. Pick the appropriate scatter plot for the data. The yellow colored star points in the scatter plot represent the number of boys and the blue colored star points represent the number of girls in each grade. Girls Grades Boys 8th 20 25 9th 30 28 10th 40 35 11th 60 45 12th Plot 3 Plot 2 100 + 20 The table shows the cost (in AED) of 5 different brands of footballs. 9 11 13 15

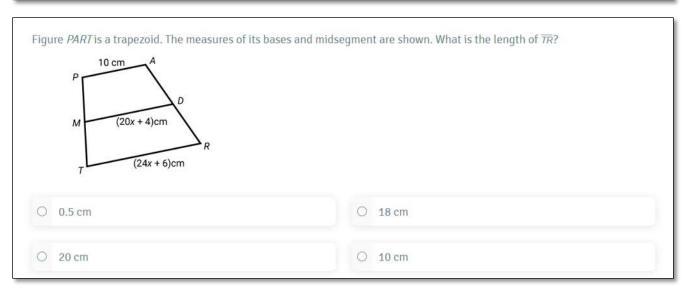


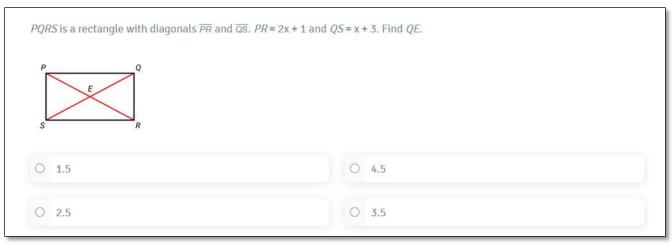
















3x 10y G G 2x+	5 y	
x=2 and $y=5$		x=5 and $y=4$
\bigcirc x=3 and y=4		x=5 and $y=2$
ne vertices of parallelog the diagonals.	gram <i>ABCD</i> are <i>A</i> (-6, 5), <i>B</i> (-1, 1	10), $\mathit{C}(2,0)$ and $\mathit{D}(\text{-}3,\text{-}5)$. Find the coordinates of the point of intersection
(-2, 7.5)		O (4, 15)
(-2, 2.5)		O (-5.5, 7.5)
n parallelogram <i>PQRS</i> ,	, the measure of $\angle S = 80^{\circ}$. Find Q	the measure of $\angle Q$.
S 80°	\bigcap_{R}^{Q}	
80°	Q	the measure of $\angle Q$.
80° S 180° Name the regular polyg	\bigcap_{R}^{Q}	○ 120° ○ 90° sure 90° each.
80° S 180°	Q Q R O 80°	O 120°

Which of the following is the measure of an exterior angle of a 15-sided regular polygon?

24°

12°

40°

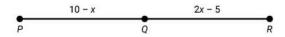
Find the coordinates of the midpoint of the line segment *AB*.

(-2.5, 4)

(2.5, 4)

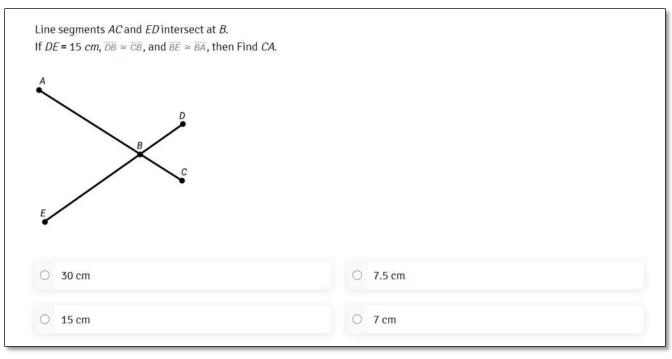
(4, -2.5)

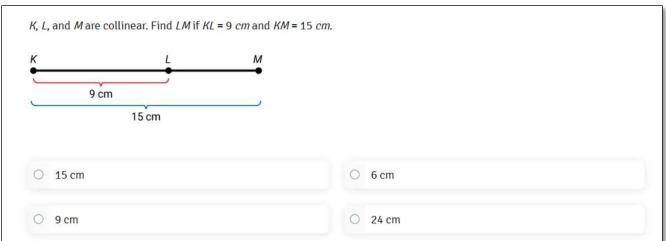
A line segment PR with midpoint Q is shown. The midpoint of the segment and the distance from the midpoint to each endpoint is labeled. What is the length of segment PR?



- 0 12
- O 14

- 0 8
- O 10

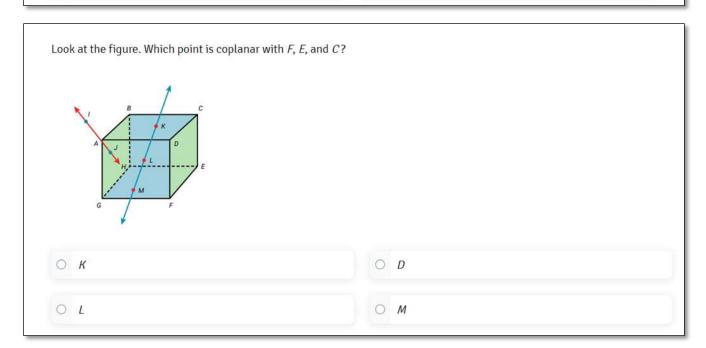




How many significant digits are in 0.08	′0?	
O 5	O 2	
O 4	O 3	

4	В		
0 1 2 3 4 5 6 cm/mm			
0.5 cm		O 0.1 cm	
0.05 cm		O.005 cm	

The table shows the scores of a basketball team. The standard deviation of scores is about 4.5. Find the range of values within one standard deviation of the mean. **Basketball Scores** 64 61 67 59 60 58 57 71 56 62 O 50 to 63 O 57 to 66 O 57.3 to 60.7 O 53.7 to 67.7

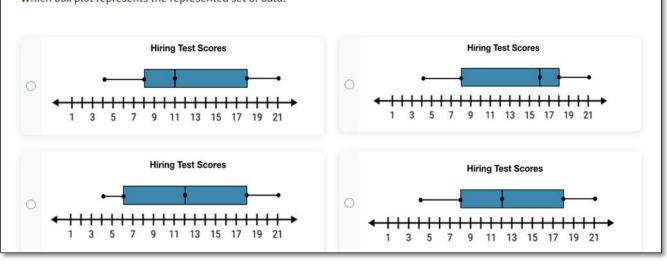


The data shows the measures of monthly rainfall in a country for a year: Monthly Rain Fall 66 67 68 69 70 71 72 73 74 75 76 77 78 Calculate the five-number summary of the data. Minimum: 76 Minimum: 68 Maximum: 68 Maximum: 76 O Median: 47 O Median: 74 Lower quartile: 71 Lower quartile: 71 Upper quartile: 75 Upper quartile: 75 Minimum: 71 Minimum: 76 Maximum: 76 Maximum: 68 O Median: 68 O Median: 75 Lower quartile: 71 Lower quartile: 71 Upper quartile: 75 Upper quartile: 74 A manager hired 7 employees on different roles in his company and their scores in the hiring test are shown in the line plot

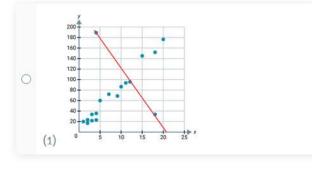
A manager hired 7 employees on different roles in his company and their scores in the hiring test are shown in the line plot below

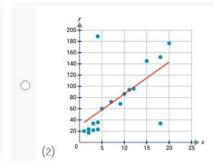


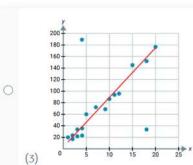
Which box plot represents the represented set of data?

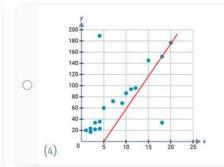


A class teacher gave a scatter plot with the line of best fit to a student and instructed her to identify the appropriate graph that represents the equation of the line of best fit. Select the appropriate graph.









A survey is conducted by a sports company. The data collected is shown in the two-way table. A relative frequency of 0.71 suggests what type of relationship?

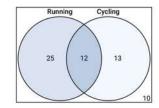
	Running	No running	Total
Cycling	$12, \frac{12}{25} = 0.48$	$13, \ \frac{13}{25} = 0.52$	25; 1.0
No cycling	$25, \frac{25}{35} \approx 0.71$	10. $\frac{10}{35} \approx 0.29$	35; 1.0
Total	37	23	60

- A relationship is likely to exist between no running and no cycling.
- A relationship is likely to exist between running and no cycling.
- A relationship is likely to exist between running and cycling.
- $\bigcirc \quad \mbox{A relationship is likely to exist between no running} \\ \mbox{and cycling.}$

A survey is conducted by a sports company.

The data is collected, and shown in the Venn diagram.

Choose the correct two-way table for this Venn diagram?



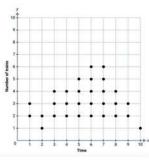
	Running	No running	Total
Cycling	12	10	22
No cycling	25	13	38
Total	37	23	60

		Running	No running	Total
	Cycling	10	13	23
0	No cycling	25	12	37
	Total	35	25	60

	Running	No running	Total
Cycling	12	13	25
No cycling	25	10	35
Total	37	23	60

	Running	No running	Total
Cycling	12	13	25
No cycling	10	25	35
Total	22	38	60

A scatter plot for the number of trains operated by a train company at different times of day from 1:00 pm to 10:00 pm is shown. Identify the correct statement.



- O Minimum number of trains operated between 6 pm to 8 pm
- O Maximum number of trains operate after 9 pm
- O Maximum number of trains operate between 1 pm to 2 pm
- O Maximum number of trains operated between 5 pm to 7 pm