

Name	
Form	
Teacher	

Maths

Homework Booklet

Year 8 Autumn 2

Set 4,5

Topic	Score achieved	Sparx %
1. Multiplying Fractions	/10	%
2. Dividing Fractions	/10	%
3. Coordinates in all four quadrants	/10	%
4. Vertical and horizontal lines	/10	%
5. Drawing lines $y = mx + c$	/10	%
6. Scatter diagrams	/4	%



Week 1

1 Work out $\frac{3}{4} \times \frac{4}{7}$

2 Work out $\frac{6}{7} \times \frac{1}{9}$

3 Work out $\frac{4}{9} \times \frac{3}{7}$

4 Work out $\frac{4}{7} \times \frac{1}{3}$

5 Work out $\frac{2}{3} \times \frac{2}{5}$

6 Work out $\frac{8}{9} \times \frac{2}{3}$

7 Work out $\frac{2}{5} \times \frac{3}{8}$

8 Work out $\frac{8}{9} \times \frac{1}{3}$

9 Work out $\frac{2}{5} \times \frac{1}{8}$

10 Work out $\frac{1}{5} \times \frac{1}{8}$

Sparx – Homework Answers



Week 2

1 Work out $\frac{1}{2} \div \frac{3}{7}$

2 Work out $\frac{6}{7} \div \frac{1}{3}$

3 Work out $\frac{4}{5} \div \frac{2}{7}$

4 Work out $\frac{5}{6} \div \frac{1}{8}$

5 Work out $\frac{8}{9} \div \frac{7}{8}$

6 Work out $\frac{1}{6} \div \frac{1}{9}$

7 Work out $\frac{5}{9} \div \frac{3}{8}$

8 Work out $\frac{5}{6} \div \frac{2}{3}$

9 Work out $\frac{2}{3} \div \frac{5}{9}$

10 Work out $\frac{2}{3} \div \frac{1}{6}$

Sparx – Homework Answers

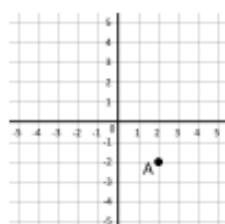


Week 3

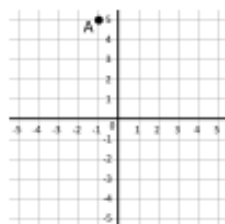
- 1 Write down the coordinates of point A



- 2 Write down the coordinates of point A



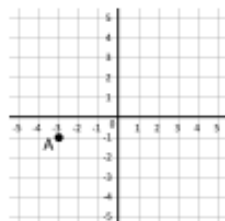
- 3 Write down the coordinates of point A



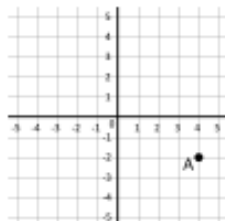
- 4 Write down the coordinates of point A



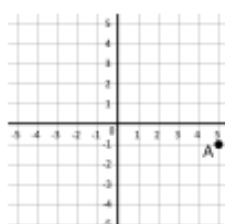
- 5 Write down the coordinates of point A



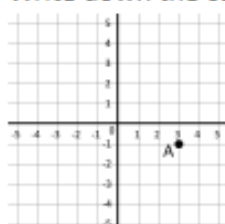
- 6 Write down the coordinates of point A



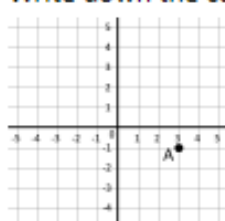
- 7 Write down the coordinates of point A



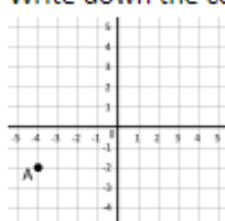
- 8 Write down the coordinates of point A



- 9 Write down the coordinates of point A



- 10 Write down the coordinates of point A

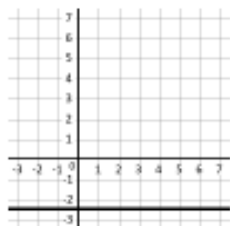


Sparx – Homework Answers

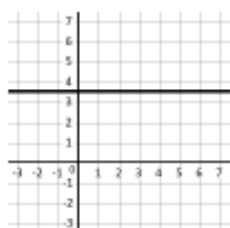


Week 4

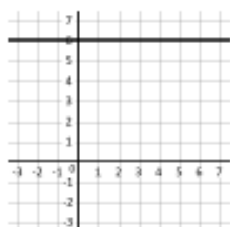
1 Write down the equation of the line



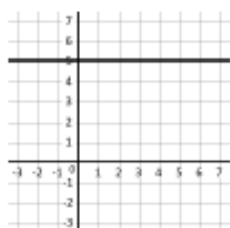
2 Write down the equation of the line



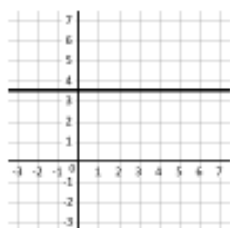
3 Write down the equation of the line



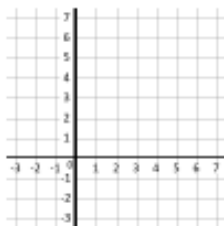
4 Write down the equation of the line



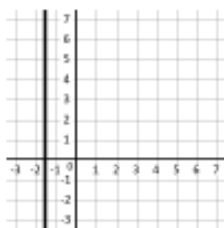
5 Write down the equation of the line



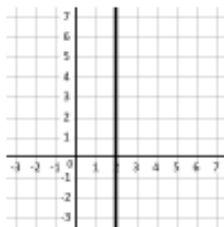
6 Write down the equation of the line



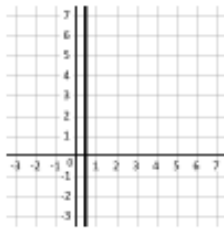
7 Write down the equation of the line



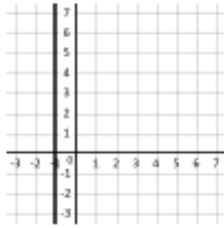
8 Write down the equation of the line



9 Write down the equation of the line



10 Write down the equation of the line



Sparx – Homework Answers

Week 5

For each equation, complete the table of values and draw its graph

(a) $y = 2x + 1$

x	-1	0	1	2	3
y	-1	1			7

(b) $y = 3x - 1$

x	-1	0	1	2	3
y	-4			5	

(c) $y = 2x - 3$

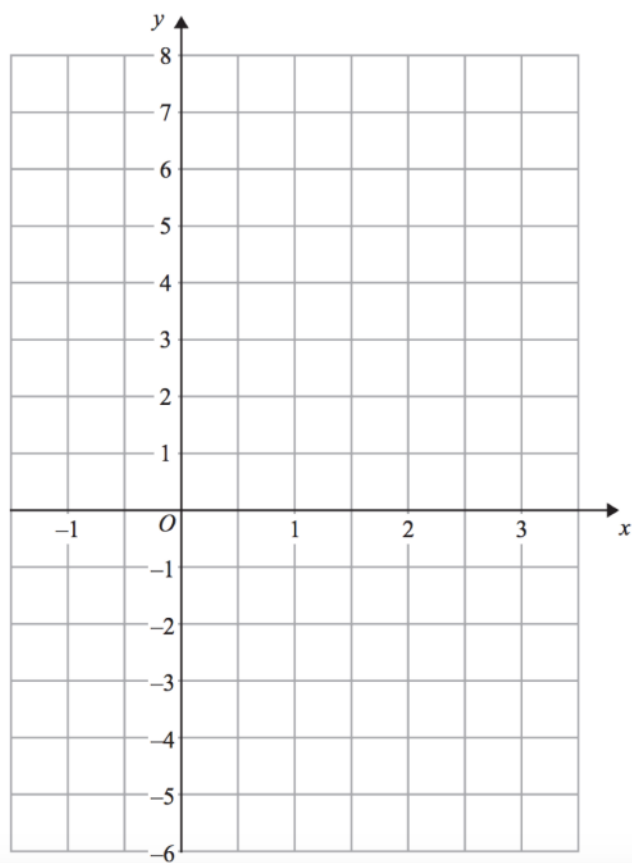
x	-1	0	1	2	3
y		-3	-1		

(d) $y = x + 4$

x	-1	0	1	2	3
y					7

(e) $y = 2x$

x	-1	0	1	2	3
y		0			6

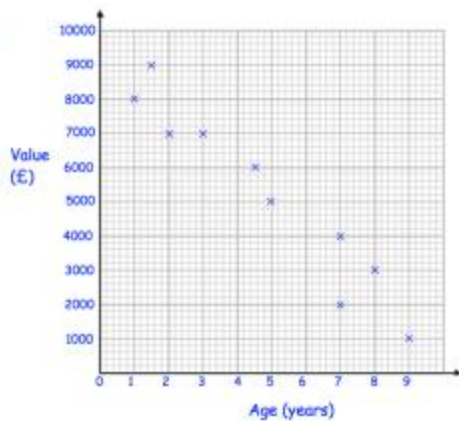


Sparx – Homework Answers

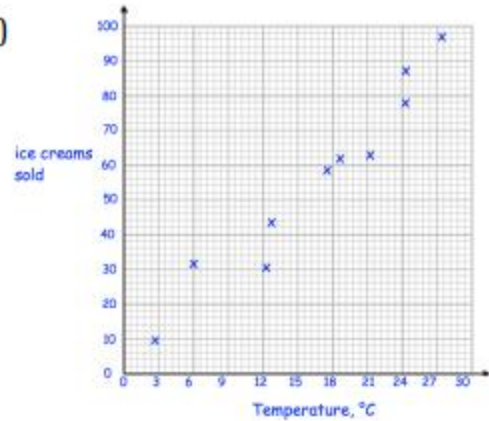
Week 6

What type of correlation does each scatter graph show below

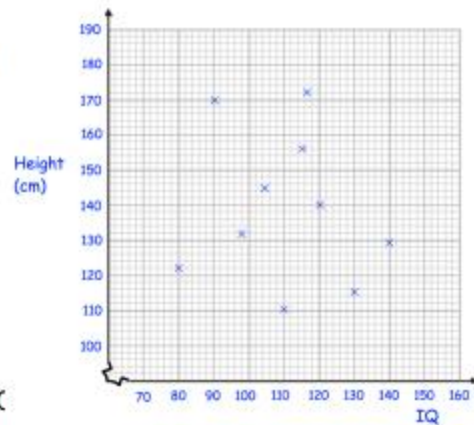
(a)



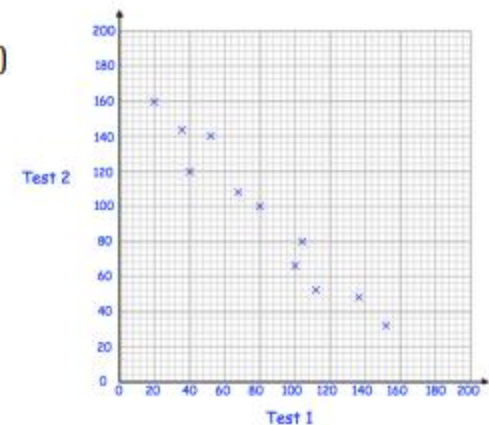
(b)



(c)



(d)



Sparx – Homework Answers