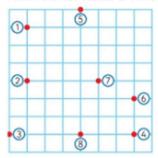
Chapter 8: Lines and angles Perpendicular lines make Types of lines. right-angled corners. vertical horizontal diagonal or parallel perpendicular oblique 1. Look at the following pictures. Discuss, then answer the questions. __ position. The icicles are (a) Each icicle is hanging in a ___ each other but they are to the roof. position. The flag is blowing in a (b) The flagpole is standing in a ___ position. The colours on the flag are ____ each other. (c) The ladder is leaning against the wall in a ___ ___ position. The sides of the to each other. The rungs of the ladder are to each other. The rungs of the ladder are ______ to the sides of the ladder. (d) The aeroplane is in a ______ position. The runway is in a _ position. 2. Find examples of the following lines at home or in school. Name them. parallel perpendicular horizontal diagonal

Lines and angles

1. Look at the picture. Discuss. Then answer the questions.



- (a) The sunflowers and the tree trunk are all in a ______ position.
- (b) The boy's legs are in a ______ position, but his body is in a _____ position.
- (c) The sides of the roof are
- (d) The sunflowers and the tree trunk are all ______ to each other.
- (e) The rug is in a ______ position. It is _____ to the tree.
- (f) The girl and the sunflowers are ______ to each other.
- (g) Write 5 sentences of your own about the picture.
- 2. Follow the instructions to make lines. Use a ruler! Name the type of line.



- (a) Join (1) and (2) with a vertical
- (b) Join (3) and (4) with a -.
- (c) Join (5) and (6) with a -
- (d) Join (2) and (7) with a -.
- to the pink line.
 (g) The yellow line is
- to the green line.

 (h) The pink line is perpendicular to both the _____ and _____ lines.



What angle is being made in each yoga pose?





(b)



(c)



(d)



(e)



(f)



Chapter 25: Time 2 – Hours and minutes

| 1. | hours) and mins for minutes. How r | many | s soccer match lasted for hours and minutes was t mins | | | |
|---|---|----------------------|---|--------------------------------------|--|--|
| 2. | Write the following minutes as hrs and r (a) 80 mins | (c) | 100 mins (d) 8 | | | |
| 3. | Write the following hrs and mins as min (a) 1 hr 30 mins | | 1 hr 17 mins (d) 1 | hr 43 mins mins | | |
| 4. | How many minutes are there in each of these? (a) $1\frac{3}{4}$ hrs =mins (b) $2\frac{1}{2}$ hrs =mins (c) $1\frac{1}{5}$ hrs =mins | | | | | |
| 5. | Complete the table. John and his dad went to Croke Park to a match. They left home at 1:35 and got to the bus stop after 8 mins. The bus came 7 minutes later and the bus journey to Croke Park took 35 mins. They were in their seats in the stand 16 minutes later. | 2. 3. 4. 5. | Left home at Got to bus stop Got on bus at Got off bus at Got to their seats The whole journey took | : : : : : hr mins. | | |
| 6. | A television programme began at At what time did it end? | 2 | :40 and lasted for 1 ho | our 35 mins. | | |
| 7. | 7. A football match started at 3:11 and finished at 4:36. It lasted for minutes. | | | | | |
| Challenge Kirk and Kieran cycled for 96 mins on Monday and from 2:45 to 4:15 on Tuesday. How long did they spend cycling over the two days? (i) hrs and mins or (ii) mins | | | | | | |

Time 2 – Timetables

| A | Television programme guide | | | | |
|--|--|---|--|--|--|
| | 1. News lasts for mins. | CTV 15 | | | |
| | 2. Story Time lasts for mins. | IRI5 News | | | |
| | The first film lasts for hr mins. | 1921 Let's Paint 1933 Story Time | | | |
| | The second film lasts for hr mins. | | | | |
| | 5. By how many minutes is one film longer than | 2#18 Sport for Everyone | | | |
| | the other?mins. | 3:05 Brave Ranger (film) 4:32 Space School (film) | | | |
| | The nature programme lastsmins. | 5:12 Nature for All 7:203 Long Ago 3:00 Closedown | | | |
| | Long Ago lasts formins. | | | | |
| | minutes is given to Sport for Everyone. | | | | |
| | minutes is given to Let's Paint. | | | | |
| | 10 is the longest programme. | | | | |
| | 11. Dad got home 1 hr 53 minutes after the 2nd film ended. It was then : | | | | |
| | 12. Laura watched Let's Paint and Story Time. She spentmins | | | | |
| watching television. | | | | | |
| В | Dublin 7:52 2. It tookhrm | mins to go from Dublin in to Tralee tookhrs as mins to Tralee. to Tralee?hr mins. | | | |
| Challenge Julie went from Dublin to Tralee on a train. She returned that evening. If both journeys took the same time, how long did Julie spend travelling by train? hrs mins. | | | | | |