

MATH PRACTICE AND PAPER BOOK



GRADE 6 CAPS

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EXERCISE 1: COUNT, ARRANGE, AND COMPARE WHOLE NUMBERS

1. Write the place value of each number in:

1.1 14 826 369

1.2 228 332 698

2. Write the number value of each number in:

2.1 36 592 356

2.2 987 535 236

3. Write in extended notation:

3.1 56 219 589

3.2 669 526 285

4. Round off to the nearest 5

4.1 12 111 539 : _____

4.2 33 221 325 : _____

4.3 69 835 232 : _____

4.4 65 446 221 : _____

4.5 32 555 238 : _____

4.6 369 611 353 : _____

4.7 365 152 566 : _____

4.8 222 333 111 : _____

4.9 369 199 234 : _____

4.10 999 999 987 : _____



EXERCISE 2: NUMBER SENTENCES

1. Complete the following number sentences:

- 1.1 $15 + 23 = \underline{\quad}$ $\underline{\quad} - 23 = 15$ $\underline{\quad} - 15 = \underline{\quad}$
1.2 $100 + 43 = \underline{\quad}$ $\underline{\quad} - 100 = 43$ $\underline{\quad} - 43 = \underline{\quad}$
1.3 $205 - 56 = \underline{\quad}$ $\underline{\quad} + 56 = \underline{\quad}$ $149 + \underline{\quad} = 205$
1.4 $159 - 88 = \underline{\quad}$ $\underline{\quad} + 88 = 159$ $71 + \underline{\quad} = 159$
1.5 $3 \times 8 = \underline{\quad}$ $\underline{\quad} \div 8 = 3$ $\underline{\quad} \div 3 = 8$
1.6 $4 \times 9 = \underline{\quad}$ $\underline{\quad} \div 4 = 9$ $\underline{\quad} \div 9 = 4$
1.7 $45 \div 5 = \underline{\quad}$ $\underline{\quad} \times 5 = 45$ $9 \times \underline{\quad} = 45$
1.8 $30 \div 6 = \underline{\quad}$ $\underline{\quad} \times 6 = 30$ $5 \times \underline{\quad} = 30$
1.9 $1\ 115 + \underline{\quad} = 1\ 130$
1.10 $2\ 005 + \underline{\quad} = 2\ 556$
1.11 $3\ 395 + \underline{\quad} = 4\ 445$
1.12 $1\ 199 + \underline{\quad} = 2\ 525$
1.13 $2500 + \underline{\quad} = 3\ 009$
1.14 $3\ 012 - \underline{\quad} = 2\ 090$
1.15 $2\ 060 - \underline{\quad} = 1\ 599$
1.16 $4\ 895 - \underline{\quad} = 3\ 599$
1.17 $5\ 999 - \underline{\quad} = 4\ 000$
1.18 $4\ 596 - \underline{\quad} = 3\ 256$
1.19 $5 \times \underline{\quad} = 20$
1.20 $6 \times \underline{\quad} = 30$
1.21 $7 \times \underline{\quad} = 70$
1.22 $10 \times \underline{\quad} = 100$
1.23 $2 \times \underline{\quad} = 20$
1.24 $50 \div \underline{\quad} = 5$
1.25 $60 \div \underline{\quad} = 20$
1.26 $25 \div \underline{\quad} = 5$
1.27 $20 \div \underline{\quad} = 5$
1.28 $22 \div \underline{\quad} = 11$



EXERCISE 3: ADDITION AND SUBTRACTION

$$\begin{array}{r}
 \mathbf{1.} \quad \mathbf{HD} \quad \mathbf{TD} \quad \mathbf{D} \quad \mathbf{H} \quad \mathbf{T} \quad \mathbf{E} \\
 \quad \quad 1 \quad 1 \quad 2 \quad 1 \quad 0 \quad 2 \\
 + \quad 6 \quad 8 \quad 7 \quad 4 \quad 5 \quad 7 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \mathbf{2.} \quad \mathbf{HD} \quad \mathbf{TD} \quad \mathbf{D} \quad \mathbf{H} \quad \mathbf{T} \quad \mathbf{E} \\
 \quad \quad 2 \quad 5 \quad 9 \quad 5 \quad 7 \quad 2 \\
 + \quad 3 \quad 1 \quad 0 \quad 4 \quad 1 \quad 0 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \mathbf{3.} \quad \mathbf{HD} \quad \mathbf{TD} \quad \mathbf{D} \quad \mathbf{H} \quad \mathbf{T} \quad \mathbf{E} \\
 \quad \quad 5 \quad 6 \quad 8 \quad 2 \quad 3 \quad 2 \\
 + \quad 1 \quad 1 \quad 1 \quad 1 \quad 1 \quad 1 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \mathbf{4.} \quad \mathbf{HD} \quad \mathbf{TD} \quad \mathbf{D} \quad \mathbf{H} \quad \mathbf{T} \quad \mathbf{E} \\
 \quad \quad 2 \quad 3 \quad 6 \quad 5 \quad 1 \quad 2 \\
 + \quad 5 \quad 5 \quad 0 \quad 0 \quad 5 \quad 5 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \mathbf{5.} \quad \mathbf{HD} \quad \mathbf{TD} \quad \mathbf{D} \quad \mathbf{H} \quad \mathbf{T} \quad \mathbf{E} \\
 \quad \quad 1 \quad 2 \quad 4 \quad 5 \quad 2 \quad 2 \\
 + \quad 5 \quad 2 \quad 4 \quad 4 \quad 2 \quad 3 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \mathbf{6.} \quad \mathbf{HD} \quad \mathbf{TD} \quad \mathbf{D} \quad \mathbf{H} \quad \mathbf{T} \quad \mathbf{E} \\
 \quad \quad 3 \quad 2 \quad 5 \quad 6 \quad 7 \quad 1 \\
 + \quad 2 \quad 5 \quad 4 \quad 3 \quad 1 \quad 5 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \mathbf{7.} \quad \mathbf{M} \quad \mathbf{HD} \quad \mathbf{TD} \quad \mathbf{D} \quad \mathbf{H} \quad \mathbf{T} \quad \mathbf{E} \\
 \quad \quad 2 \quad 3 \quad 5 \quad 1 \quad 2 \quad 6 \quad 2 \\
 + \quad 2 \quad 2 \quad 2 \quad 1 \quad 5 \quad 3 \quad 2 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \mathbf{8.} \quad \mathbf{M} \quad \mathbf{HD} \quad \mathbf{TD} \quad \mathbf{D} \quad \mathbf{H} \quad \mathbf{T} \quad \mathbf{E} \\
 \quad \quad 2 \quad 3 \quad 6 \quad 5 \quad 1 \quad 2 \quad 3 \\
 + \quad 3 \quad 6 \quad 2 \quad 4 \quad 1 \quad 2 \quad 1 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \mathbf{9.} \quad \mathbf{M} \quad \mathbf{HD} \quad \mathbf{TD} \quad \mathbf{D} \quad \mathbf{H} \quad \mathbf{T} \quad \mathbf{E} \\
 \quad \quad 8 \quad 9 \quad 5 \quad 4 \quad 5 \quad 4 \quad 4 \\
 + \quad 1 \quad 0 \quad 4 \quad 5 \quad 4 \quad 5 \quad 5 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \mathbf{10.} \quad \mathbf{M} \quad \mathbf{HD} \quad \mathbf{TD} \quad \mathbf{D} \quad \mathbf{H} \quad \mathbf{T} \quad \mathbf{E} \\
 \quad \quad 4 \quad 1 \quad 2 \quad 3 \quad 6 \quad 5 \quad 8 \\
 + \quad 5 \quad 4 \quad 6 \quad 2 \quad 1 \quad 4 \quad 1 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \mathbf{11.} \quad \mathbf{M} \quad \mathbf{HD} \quad \mathbf{TD} \quad \mathbf{D} \quad \mathbf{H} \quad \mathbf{T} \quad \mathbf{E} \\
 \quad \quad 2 \quad 1 \quad 5 \quad 3 \quad 6 \quad 5 \quad 2 \\
 + \quad 1 \quad 2 \quad 0 \quad 6 \quad 3 \quad 2 \quad 1 \\
 \hline
 \end{array}$$

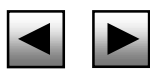
$$\begin{array}{r}
 \mathbf{12.} \quad \mathbf{M} \quad \mathbf{HD} \quad \mathbf{TD} \quad \mathbf{D} \quad \mathbf{H} \quad \mathbf{T} \quad \mathbf{E} \\
 \quad \quad 2 \quad 5 \quad 6 \quad 9 \quad 5 \quad 2 \quad 3 \\
 + \quad 3 \quad 0 \quad 3 \quad 0 \quad 1 \quad 2 \quad 5 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \mathbf{13.} \quad \mathbf{HD} \quad \mathbf{TD} \quad \mathbf{D} \quad \mathbf{H} \quad \mathbf{T} \quad \mathbf{E} \\
 \quad \quad 8 \quad 5 \quad 9 \quad 8 \quad 5 \quad 5 \\
 + \quad 8 \quad 5 \quad 9 \quad 8 \quad 5 \quad 4 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \mathbf{14.} \quad \mathbf{HD} \quad \mathbf{TD} \quad \mathbf{D} \quad \mathbf{H} \quad \mathbf{T} \quad \mathbf{E} \\
 \quad \quad 8 \quad 9 \quad 8 \quad 8 \quad 8 \quad 8 \\
 + \quad 5 \quad 8 \quad 9 \quad 5 \quad 4 \quad 2 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \mathbf{15.} \quad \mathbf{HD} \quad \mathbf{TD} \quad \mathbf{D} \quad \mathbf{H} \quad \mathbf{T} \quad \mathbf{E} \\
 \quad \quad 5 \quad 8 \quad 9 \quad 5 \quad 2 \quad 5 \\
 + \quad 8 \quad 9 \quad 8 \quad 5 \quad 2 \quad 5 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \mathbf{16.} \quad \mathbf{HD} \quad \mathbf{TD} \quad \mathbf{D} \quad \mathbf{H} \quad \mathbf{T} \quad \mathbf{E} \\
 \quad \quad 5 \quad 8 \quad 9 \quad 5 \quad 6 \quad 2 \\
 + \quad 5 \quad 9 \quad 8 \quad 5 \quad 2 \quad 5 \\
 \hline
 \end{array}$$



$$\begin{array}{r}
 25. \quad \text{HT} \quad \text{TT} \quad \text{T} \quad \text{H} \quad \text{T} \quad \text{U} \\
 \quad \quad 5 \quad 6 \quad 8 \quad 2 \quad 3 \quad 2 \\
 - \quad 1 \quad 1 \quad 1 \quad 1 \quad 1 \quad 1 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 26. \quad \text{HT} \quad \text{TT} \quad \text{T} \quad \text{H} \quad \text{T} \quad \text{U} \\
 \quad \quad 2 \quad 5 \quad 6 \quad 5 \quad 5 \quad 5 \\
 - \quad 1 \quad 3 \quad 0 \quad 0 \quad 1 \quad 2 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 27. \quad \text{HT} \quad \text{TT} \quad \text{T} \quad \text{H} \quad \text{T} \quad \text{U} \\
 \quad \quad 5 \quad 2 \quad 4 \quad 5 \quad 2 \quad 3 \\
 - \quad 1 \quad 2 \quad 4 \quad 4 \quad 2 \quad 2 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 28. \quad \text{HT} \quad \text{TT} \quad \text{T} \quad \text{H} \quad \text{T} \quad \text{U} \\
 \quad \quad 3 \quad 5 \quad 5 \quad 6 \quad 7 \quad 5 \\
 - \quad 2 \quad 2 \quad 4 \quad 3 \quad 1 \quad 1 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 29. \quad \text{M} \quad \text{HT} \quad \text{TT} \quad \text{T} \quad \text{H} \quad \text{T} \quad \text{U} \\
 \quad \quad 2 \quad 3 \quad 5 \quad 1 \quad 5 \quad 6 \quad 2 \\
 - \quad 2 \quad 2 \quad 2 \quad 1 \quad 2 \quad 3 \quad 2 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 30. \quad \text{M} \quad \text{HT} \quad \text{TT} \quad \text{T} \quad \text{H} \quad \text{T} \quad \text{U} \\
 \quad \quad 3 \quad 6 \quad 6 \quad 5 \quad 1 \quad 2 \quad 3 \\
 - \quad 2 \quad 3 \quad 2 \quad 4 \quad 1 \quad 2 \quad 1 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 31. \quad \text{M} \quad \text{HT} \quad \text{TT} \quad \text{T} \quad \text{H} \quad \text{T} \quad \text{U} \\
 \quad \quad 8 \quad 9 \quad 5 \quad 5 \quad 5 \quad 5 \quad 5 \\
 - \quad 1 \quad 0 \quad 4 \quad 4 \quad 4 \quad 4 \quad 4 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 32. \quad \text{M} \quad \text{HT} \quad \text{TT} \quad \text{T} \quad \text{H} \quad \text{T} \quad \text{U} \\
 \quad \quad 5 \quad 4 \quad 6 \quad 3 \quad 6 \quad 5 \quad 8 \\
 - \quad 4 \quad 1 \quad 2 \quad 2 \quad 1 \quad 4 \quad 1 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 33. \quad \text{M} \quad \text{HT} \quad \text{TT} \quad \text{T} \quad \text{H} \quad \text{T} \quad \text{U} \\
 \quad \quad 2 \quad 2 \quad 5 \quad 6 \quad 6 \quad 5 \quad 2 \\
 - \quad 1 \quad 1 \quad 0 \quad 3 \quad 3 \quad 2 \quad 1 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 34. \quad \text{M} \quad \text{HT} \quad \text{TT} \quad \text{T} \quad \text{H} \quad \text{T} \quad \text{U} \\
 \quad \quad 3 \quad 5 \quad 6 \quad 9 \quad 5 \quad 2 \quad 5 \\
 - \quad 2 \quad 0 \quad 3 \quad 0 \quad 1 \quad 2 \quad 3 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 35. \quad \text{HT} \quad \text{TT} \quad \text{T} \quad \text{H} \quad \text{T} \quad \text{U} \\
 \quad \quad 8 \quad 5 \quad 9 \quad 8 \quad 5 \quad 5 \\
 - \quad 8 \quad 5 \quad 9 \quad 8 \quad 5 \quad 4 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 36. \quad \text{HT} \quad \text{TT} \quad \text{T} \quad \text{H} \quad \text{T} \quad \text{U} \\
 \quad \quad 8 \quad 9 \quad 8 \quad 8 \quad 8 \quad 8 \\
 - \quad 5 \quad 9 \quad 9 \quad 9 \quad 9 \quad 9 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 37. \quad \text{HT} \quad \text{TT} \quad \text{T} \quad \text{H} \quad \text{T} \quad \text{U} \\
 \quad \quad 8 \quad 8 \quad 9 \quad 5 \quad 2 \quad 5 \\
 - \quad 5 \quad 9 \quad 8 \quad 5 \quad 2 \quad 5 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 38. \quad \text{HT} \quad \text{TT} \quad \text{T} \quad \text{H} \quad \text{T} \quad \text{U} \\
 \quad \quad 5 \quad 9 \quad 8 \quad 5 \quad 6 \quad 2 \\
 - \quad 5 \quad 8 \quad 9 \quad 5 \quad 2 \quad 5 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 39. \quad \text{HT} \quad \text{TT} \quad \text{T} \quad \text{H} \quad \text{T} \quad \text{U} \\
 \quad \quad 5 \quad 9 \quad 8 \quad 5 \quad 2 \quad 5 \\
 - \quad 5 \quad 6 \quad 8 \quad 5 \quad 4 \quad 2 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 40. \quad \text{HT} \quad \text{TT} \quad \text{T} \quad \text{H} \quad \text{T} \quad \text{U} \\
 \quad \quad 5 \quad 6 \quad 9 \quad 8 \quad 5 \quad 4 \\
 - \quad 4 \quad 7 \quad 9 \quad 9 \quad 6 \quad 5 \\
 \hline
 \end{array}$$

47. There are 16 098 571 people living in Gauteng, 2 900 000 people in the Free State and 7 343 020 people in the Western Cape. How many people live in the three provinces in total?

48. There are 5 142 216 people living in Mpumalanga, 6 015 000 people in the Limpopo province and 1 335 945 people in the Northern Cape. How many people live in the three provinces in total?

49. A factory makes 4 236 320 tablets in January, 89 858 542 tablets in February, 22 522 522 tablets in March and 5 988 988 tablets in April. How many do they make the rest of the year if they make a total of 300 000 000 tablets per year?

50. A welfare organization collects money to help animals. In April they collected R 10 234 200, in May R 25 256 300, in June R 13 325 300 and in July R 45 223 025

50.1 What is the difference between April and May's amount?



EXERCISE 4: COMMON FRACTIONS

1. Complete with $<$, $>$ or $=$:

$\frac{2}{3}$		$\frac{3}{4}$
$\frac{2}{3}$		$\frac{4}{7}$
$\frac{1}{2}$		$\frac{7}{9}$
$\frac{10}{11}$		$\frac{4}{7}$
$\frac{1}{5}$		$\frac{2}{10}$

2. Give an equivalent fraction for:

2.1 $\frac{4}{5} = \underline{\hspace{2cm}}$

2.2 $\frac{2}{5} = \underline{\hspace{2cm}}$

2.3 $\frac{1}{4} = \underline{\hspace{2cm}}$

2.4 $\frac{3}{10} = \underline{\hspace{2cm}}$

2.5 $\frac{5}{8} = \underline{\hspace{2cm}}$

3. Write the following mixed numbers as improper fractions:

3.1 $5\frac{1}{2} = \underline{\hspace{2cm}}$

3.2 $4\frac{1}{3} = \underline{\hspace{2cm}}$

3.3 $3\frac{1}{4} = \underline{\hspace{2cm}}$

3.4 $4\frac{1}{2} = \underline{\hspace{2cm}}$

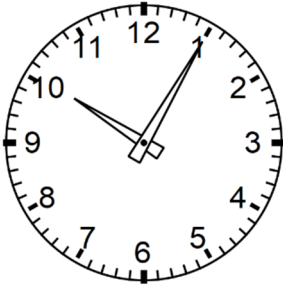
3.5 $5\frac{1}{4} = \underline{\hspace{2cm}}$



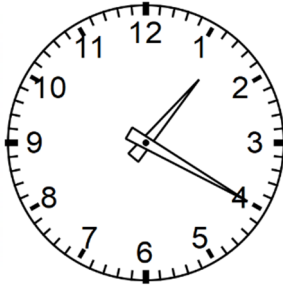
EXERCISE 5: TIME

1. Write each time in analogue and digital time:

1.1



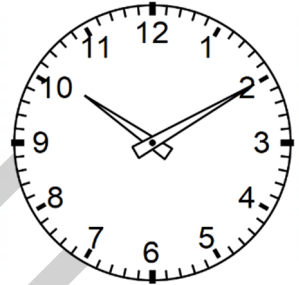
1.2



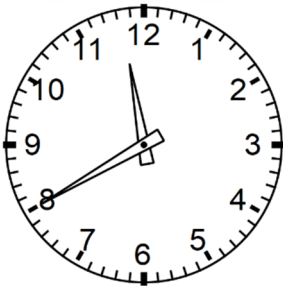
1.3



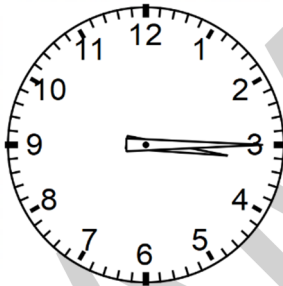
1.4



1.5



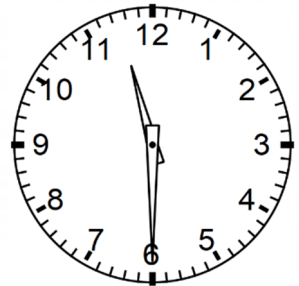
1.6



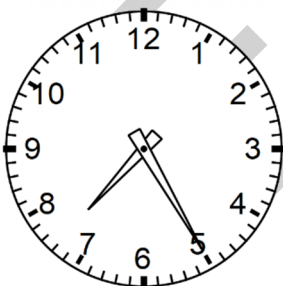
1.7



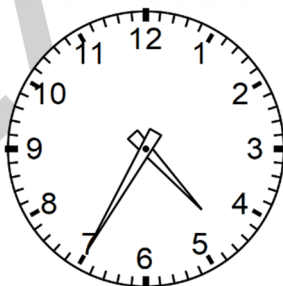
1.8



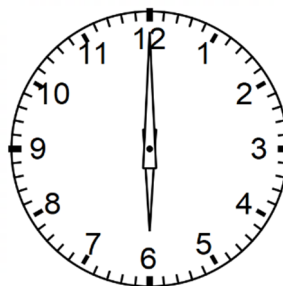
1.9



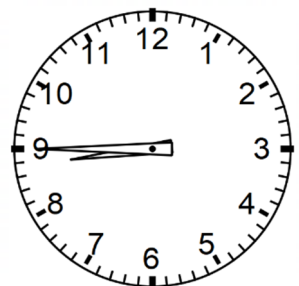
1.10



1.11



1.12





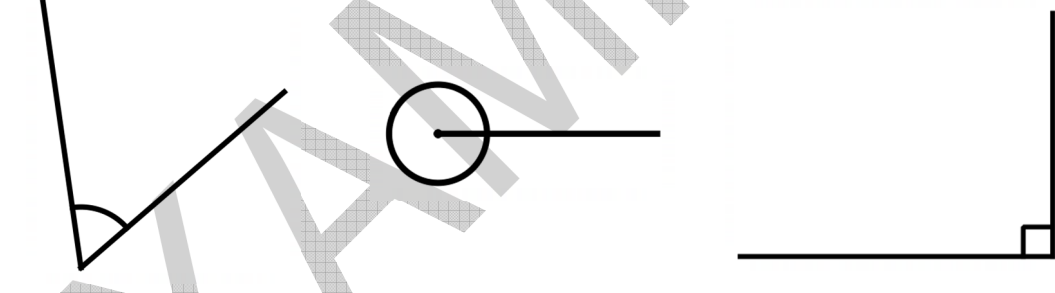


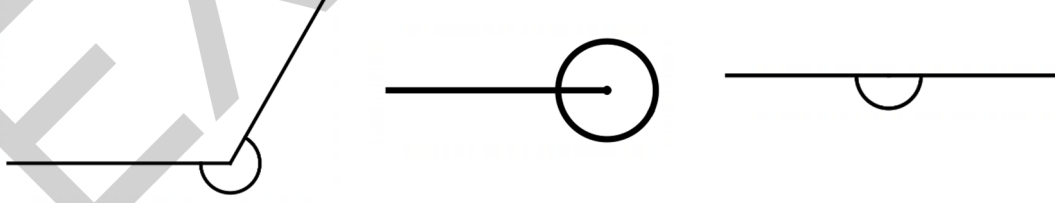
EXERCISE 6: 2D shapes

1. Write the name of each angle in the following sketches.









**EXERCISE 7: DATA HANDLING**

1. Draw a bar graph for the following data.:

What colour eyes do children have?

Colour eyes	Marks	Frequency
Brown	HHH III	8
Blue	IIII	4
Green	HHH III	8
TOTAL		20

EXAMPLE





Kopiereg 2023

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0835795369

