

## Year 4 Term 2 Homework

<b>Student Name:</b> _____	<b>Grade:</b> _____
<b>Date:</b> _____	<b>Score:</b> _____

### Table of contents

<b>1</b>	<b>Year 4 Term 2 Week 1 Homework</b>	<b>1</b>
1.1	Topic 1 — Fractions . . . . .	1
1.1.1	Simplifying Fractions 1 . . . . .	1
1.1.2	Comparing Fractions 1 . . . . .	2
1.1.3	Adding Fractions 1 . . . . .	3
1.1.4	Subtracting Fractions 1 . . . . .	4
1.1.5	Multiplying Fractions 1 . . . . .	5
1.1.6	Dividing Fractions 1 . . . . .	6
1.2	Topic 2 — Decimals . . . . .	7
1.2.1	Fraction to Decimal 1 . . . . .	7
1.2.2	Decimal to Fraction 1 . . . . .	8
1.3	Topic 3 — Percentages . . . . .	9
1.3.1	Percentages 1 . . . . .	9
1.3.2	Percentages 2 . . . . .	10
1.4	Topic 4 — Order of Operations . . . . .	11
1.4.1	Order of Operations 1 . . . . .	11
1.4.2	Order of Operations 2 . . . . .	12
1.5	Quiz 1 . . . . .	13
1.5.1	Part A — 10 Multiple Choice Questions (1 mark each) . . . . .	13
1.5.2	Part B — 10 Average Questions (2 marks each) . . . . .	14
1.5.3	Part C — 10 Extension Questions (3 marks each) . . . . .	15
1.5.4	Part D — 8 Challenging Questions (5 marks each) . . . . .	16

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# 1 Year 4 Term 2 Week 1 Homework

## 1.1 Topic 1 — Fractions

### 1.1.1 Simplifying Fractions 1

①  $\frac{10}{60} =$  \_\_\_\_\_

②  $\frac{27}{63} =$  \_\_\_\_\_

③  $\frac{6}{8} =$  \_\_\_\_\_

④  $\frac{54}{72} =$  \_\_\_\_\_

⑤  $\frac{10}{12} =$  \_\_\_\_\_

⑥  $\frac{10}{24} =$  \_\_\_\_\_

⑦  $\frac{8}{48} =$  \_\_\_\_\_

⑧  $\frac{9}{45} =$  \_\_\_\_\_

⑨  $\frac{72}{99} =$  \_\_\_\_\_

⑩  $\frac{20}{22} =$  \_\_\_\_\_

⑪  $\frac{12}{18} =$  \_\_\_\_\_

⑫  $\frac{8}{72} =$  \_\_\_\_\_

⑬  $\frac{12}{36} =$  \_\_\_\_\_

⑭  $\frac{7}{28} =$  \_\_\_\_\_

⑮  $\frac{18}{54} =$  \_\_\_\_\_

⑯  $\frac{5}{35} =$  \_\_\_\_\_

⑰  $\frac{8}{10} =$  \_\_\_\_\_

⑱  $\frac{24}{36} =$  \_\_\_\_\_

⑲  $\frac{12}{27} =$  \_\_\_\_\_

⑳  $\frac{24}{88} =$  \_\_\_\_\_

Score: \_\_\_\_\_

## 1.1.2 Comparing Fractions 1

①  $\frac{2}{4} \square \frac{1}{5}$

②  $\frac{4}{5} \square \frac{2}{3}$

③  $\frac{1}{2} \square \frac{2}{4}$

④  $\frac{3}{4} \square \frac{4}{7}$

⑤  $\frac{1}{6} \square \frac{1}{3}$

⑥  $\frac{5}{6} \square \frac{5}{7}$

⑦  $\frac{3}{5} \square \frac{1}{4}$

⑧  $\frac{1}{4} \square \frac{4}{5}$

⑨  $\frac{2}{5} \square \frac{5}{6}$

⑩  $\frac{2}{3} \square \frac{1}{2}$

⑪  $\frac{5}{7} \square \frac{3}{7}$

⑫  $\frac{6}{7} \square \frac{3}{4}$

⑬  $\frac{1}{3} \square \frac{4}{6}$

⑭  $\frac{3}{6} \square \frac{3}{6}$

⑮  $\frac{1}{7} \square \frac{2}{5}$

⑯  $\frac{1}{5} \square \frac{6}{7}$

⑰  $\frac{2}{7} \square \frac{1}{6}$

⑱  $\frac{4}{6} \square \frac{2}{6}$

⑲  $\frac{2}{6} \square \frac{3}{5}$

⑳  $\frac{4}{7} \square \frac{1}{7}$

㉑  $\frac{5}{7} \square \frac{2}{7}$

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Score:

**1.1.3 Adding Fractions 1**

①  $\frac{3}{8} + \frac{1}{8} =$  \_\_\_\_\_

②  $\frac{1}{9} + \frac{5}{7} =$  \_\_\_\_\_

③  $\frac{3}{5} + \frac{5}{9} =$  \_\_\_\_\_

④  $\frac{2}{4} + \frac{1}{5} =$  \_\_\_\_\_

⑤  $\frac{3}{4} + \frac{2}{9} =$  \_\_\_\_\_

⑥  $\frac{4}{6} + \frac{4}{5} =$  \_\_\_\_\_

⑦  $\frac{7}{8} + \frac{4}{6} =$  \_\_\_\_\_

⑧  $\frac{3}{9} + \frac{1}{6} =$  \_\_\_\_\_

⑨  $\frac{1}{5} + \frac{2}{3} =$  \_\_\_\_\_

⑩  $\frac{1}{2} + \frac{7}{8} =$  \_\_\_\_\_

⑪  $\frac{1}{3} + \frac{3}{5} =$  \_\_\_\_\_

⑫  $\frac{2}{5} + \frac{7}{9} =$  \_\_\_\_\_

⑬  $\frac{2}{3} + \frac{1}{2} =$  \_\_\_\_\_

⑭  $\frac{6}{9} + \frac{2}{5} =$  \_\_\_\_\_

⑮  $\frac{6}{7} + \frac{3}{6} =$  \_\_\_\_\_

⑯  $\frac{1}{4} + \frac{1}{3} =$  \_\_\_\_\_

⑰  $\frac{5}{8} + \frac{2}{4} =$  \_\_\_\_\_

⑱  $\frac{4}{5} + \frac{5}{8} =$  \_\_\_\_\_

⑲  $\frac{5}{9} + \frac{6}{9} =$  \_\_\_\_\_

⑳  $\frac{3}{6} + \frac{3}{4} =$  \_\_\_\_\_

Score: \_\_\_\_\_

**1.1.4 Subtracting Fractions 1**

①  $\frac{1}{2} - \frac{2}{7} =$  \_\_\_\_\_

②  $\frac{2}{4} - \frac{1}{6} =$  \_\_\_\_\_

③  $\frac{1}{3} - \frac{1}{4} =$  \_\_\_\_\_

④  $\frac{2}{3} - \frac{1}{7} =$  \_\_\_\_\_

⑤  $\frac{2}{5} - \frac{2}{6} =$  \_\_\_\_\_

⑥  $\frac{1}{6} - \frac{1}{7} =$  \_\_\_\_\_

⑦  $\frac{3}{5} - \frac{3}{7} =$  \_\_\_\_\_

⑧  $\frac{4}{6} - \frac{4}{7} =$  \_\_\_\_\_

⑨  $\frac{2}{6} - \frac{2}{7} =$  \_\_\_\_\_

⑩  $\frac{6}{7} - \frac{3}{6} =$  \_\_\_\_\_

⑪  $\frac{5}{7} - \frac{5}{8} =$  \_\_\_\_\_

⑫  $\frac{3}{7} - \frac{3}{8} =$  \_\_\_\_\_

⑬  $\frac{1}{7} - \frac{1}{8} =$  \_\_\_\_\_

⑭  $\frac{3}{6} - \frac{3}{7} =$  \_\_\_\_\_

⑮  $\frac{4}{7} - \frac{4}{8} =$  \_\_\_\_\_

⑯  $\frac{1}{4} - \frac{1}{5} =$  \_\_\_\_\_

⑰  $\frac{1}{5} - \frac{1}{6} =$  \_\_\_\_\_

⑱  $\frac{2}{7} - \frac{1}{5} =$  \_\_\_\_\_

⑲  $\frac{4}{5} - \frac{2}{6} =$  \_\_\_\_\_

⑳  $\frac{3}{4} - \frac{1}{3} =$  \_\_\_\_\_

Score: \_\_\_\_\_

**1.1.5 Multiplying Fractions 1**

①  $\frac{3}{4} \times \frac{1}{4} =$  \_\_\_\_\_

②  $\frac{1}{3} \times \frac{2}{3} =$  \_\_\_\_\_

③  $\frac{4}{5} \times \frac{4}{6} =$  \_\_\_\_\_

④  $\frac{1}{2} \times \frac{1}{2} =$  \_\_\_\_\_

⑤  $\frac{2}{3} \times \frac{5}{6} =$  \_\_\_\_\_

⑥  $\frac{2}{4} \times \frac{4}{5} =$  \_\_\_\_\_

⑦  $\frac{5}{6} \times \frac{2}{4} =$  \_\_\_\_\_

⑧  $\frac{2}{6} \times \frac{1}{6} =$  \_\_\_\_\_

⑨  $\frac{1}{4} \times \frac{3}{4} =$  \_\_\_\_\_

⑩  $\frac{3}{6} \times \frac{1}{3} =$  \_\_\_\_\_

⑪  $\frac{1}{5} \times \frac{2}{5} =$  \_\_\_\_\_

⑫  $\frac{1}{6} \times \frac{3}{5} =$  \_\_\_\_\_

⑬  $\frac{4}{6} \times \frac{2}{6} =$  \_\_\_\_\_

⑭  $\frac{2}{5} \times \frac{3}{6} =$  \_\_\_\_\_

⑮  $\frac{1}{6} \times \frac{1}{5} =$  \_\_\_\_\_

⑯  $\frac{3}{5} \times \frac{2}{5} =$  \_\_\_\_\_

⑰  $\frac{2}{3} \times \frac{1}{2} =$  \_\_\_\_\_

⑱  $\frac{1}{4} \times \frac{2}{3} =$  \_\_\_\_\_

⑲  $\frac{1}{5} \times \frac{5}{6} =$  \_\_\_\_\_

⑳  $\frac{1}{3} \times \frac{2}{5} =$  \_\_\_\_\_

Score: \_\_\_\_\_

**1.1.6 Dividing Fractions 1**

$$\textcircled{1} \quad \frac{1}{3} \div \frac{1}{7} = \underline{\hspace{10cm}}$$

$$\textcircled{2} \quad \frac{1}{4} \div \frac{1}{5} = \underline{\hspace{10cm}}$$

$$\textcircled{3} \quad \frac{1}{2} \div \frac{3}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{4} \quad \frac{3}{5} \div \frac{1}{2} = \underline{\hspace{10cm}}$$

$$\textcircled{5} \quad \frac{2}{3} \div \frac{1}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{6} \quad \frac{4}{5} \div \frac{1}{3} = \underline{\hspace{10cm}}$$

$$\textcircled{7} \quad \frac{2}{4} \div \frac{2}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{8} \quad \frac{1}{5} \div \frac{2}{3} = \underline{\hspace{10cm}}$$

$$\textcircled{9} \quad \frac{4}{7} \div \frac{3}{7} = \underline{\hspace{10cm}}$$

$$\textcircled{10} \quad \frac{5}{7} \div \frac{4}{7} = \underline{\hspace{10cm}}$$

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Score: \_\_\_\_\_

**1.2 Topic 2 — Decimals****1.2.1 Fraction to Decimal 1**

$$\textcircled{1} \frac{2}{4} = \underline{\hspace{2cm}} \quad \textcircled{2} \frac{1}{2} = \underline{\hspace{2cm}} \quad \textcircled{3} \frac{4}{8} = \underline{\hspace{2cm}}$$

$$\textcircled{4} \frac{5}{8} = \underline{\hspace{2cm}} \quad \textcircled{5} \frac{1}{10} = \underline{\hspace{2cm}} \quad \textcircled{6} \frac{4}{5} = \underline{\hspace{2cm}}$$

$$\textcircled{7} \frac{1}{4} = \underline{\hspace{2cm}} \quad \textcircled{8} \frac{3}{8} = \underline{\hspace{2cm}} \quad \textcircled{9} \frac{3}{4} = \underline{\hspace{2cm}}$$

$$\textcircled{10} \frac{2}{5} = \underline{\hspace{2cm}} \quad \textcircled{11} \frac{7}{8} = \underline{\hspace{2cm}} \quad \textcircled{12} \frac{8}{10} = \underline{\hspace{2cm}}$$

$$\textcircled{13} \frac{3}{5} = \underline{\hspace{2cm}} \quad \textcircled{14} \frac{7}{10} = \underline{\hspace{2cm}} \quad \textcircled{15} \frac{1}{8} = \underline{\hspace{2cm}}$$

$$\textcircled{16} \frac{1}{5} = \underline{\hspace{2cm}} \quad \textcircled{17} \frac{6}{10} = \underline{\hspace{2cm}} \quad \textcircled{18} \frac{2}{8} = \underline{\hspace{2cm}}$$

$$\textcircled{19} \frac{4}{10} = \underline{\hspace{2cm}} \quad \textcircled{20} \frac{9}{10} = \underline{\hspace{2cm}} \quad \textcircled{21} \frac{6}{8} = \underline{\hspace{2cm}}$$

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Score: \_\_\_\_\_



**1.2.2 Decimal to Fraction 1**

$① \quad 0.4 = \underline{\hspace{2cm}}$

$② \quad 0.3 = \underline{\hspace{2cm}}$

$③ \quad 0.5 = \underline{\hspace{2cm}}$

$④ \quad 0.1 = \underline{\hspace{2cm}}$

$⑤ \quad 0.25 = \underline{\hspace{2cm}}$

$⑥ \quad 0.5 = \underline{\hspace{2cm}}$

$⑦ \quad 0.6 = \underline{\hspace{2cm}}$

$⑧ \quad 0.75 = \underline{\hspace{2cm}}$

$⑨ \quad 0.25 = \underline{\hspace{2cm}}$

$⑩ \quad 0.6 = \underline{\hspace{2cm}}$

$⑪ \quad 0.35 = \underline{\hspace{2cm}}$

$⑫ \quad 0.5 = \underline{\hspace{2cm}}$

$⑬ \quad 0.85 = \underline{\hspace{2cm}}$

$⑭ \quad 0.8 = \underline{\hspace{2cm}}$

$⑮ \quad 0.2 = \underline{\hspace{2cm}}$

$⑯ \quad 0.7 = \underline{\hspace{2cm}}$

$⑰ \quad 0.4 = \underline{\hspace{2cm}}$

$⑱ \quad 0.5 = \underline{\hspace{2cm}}$

$⑲ \quad 0.4 = \underline{\hspace{2cm}}$

$⑳ \quad 0.75 = \underline{\hspace{2cm}}$

$\textcircled{21} \quad 0.2 = \underline{\hspace{2cm}}$

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Score: \_\_\_\_\_

### 1.3 Topic 3 — Percentages

#### 1.3.1 Percentages 1

① 50% of \$24.00 = \_\_\_\_\_      ② 10% of \$50.00 = \_\_\_\_\_

③ 25% of \$8.00 = \_\_\_\_\_      ④ 20% of \$85.00 = \_\_\_\_\_

⑤ 25% of \$52.00 = \_\_\_\_\_      ⑥ 25% of \$72.00 = \_\_\_\_\_

⑦ 20% of \$90.00 = \_\_\_\_\_      ⑧ 50% of \$22.00 = \_\_\_\_\_

⑨ 20% of \$35.00 = \_\_\_\_\_      ⑩ 20% of \$10.00 = \_\_\_\_\_

⑪ 10% of \$30.00 = \_\_\_\_\_      ⑫ 50% of \$12.00 = \_\_\_\_\_

⑬ 20% of \$65.00 = \_\_\_\_\_      ⑭ 25% of \$52.00 = \_\_\_\_\_

⑮ 25% of \$48.00 = \_\_\_\_\_      ⑯ 10% of \$30.00 = \_\_\_\_\_

⑰ 20% of \$45.00 = \_\_\_\_\_      ⑱ 50% of \$14.00 = \_\_\_\_\_

⑲ 50% of \$4.00 = \_\_\_\_\_      ⑳ 25% of \$32.00 = \_\_\_\_\_

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Score: \_\_\_\_\_

**1.3.2 Percentages 2**

$① \quad 20\% \text{ of } \$100.00 = \underline{\hspace{2cm}}$

$② \quad 25\% \text{ of } \$36.00 = \underline{\hspace{2cm}}$

$③ \quad 50\% \text{ of } \$12.00 = \underline{\hspace{2cm}}$

$④ \quad 50\% \text{ of } \$16.00 = \underline{\hspace{2cm}}$

$⑤ \quad 10\% \text{ of } \$180.00 = \underline{\hspace{2cm}}$

$⑥ \quad 25\% \text{ of } \$16.00 = \underline{\hspace{2cm}}$

$⑦ \quad 25\% \text{ of } \$32.00 = \underline{\hspace{2cm}}$

$⑧ \quad 25\% \text{ of } \$80.00 = \underline{\hspace{2cm}}$

$⑨ \quad 50\% \text{ of } \$6.00 = \underline{\hspace{2cm}}$

$⑩ \quad 25\% \text{ of } \$48.00 = \underline{\hspace{2cm}}$

$⑪ \quad 25\% \text{ of } \$60.00 = \underline{\hspace{2cm}}$

$⑫ \quad 50\% \text{ of } \$36.00 = \underline{\hspace{2cm}}$

$⑬ \quad 25\% \text{ of } \$16.00 = \underline{\hspace{2cm}}$

$⑭ \quad 50\% \text{ of } \$14.00 = \underline{\hspace{2cm}}$

$⑮ \quad 50\% \text{ of } \$32.00 = \underline{\hspace{2cm}}$

$⑯ \quad 50\% \text{ of } \$34.00 = \underline{\hspace{2cm}}$

$⑰ \quad 25\% \text{ of } \$4.00 = \underline{\hspace{2cm}}$

$⑱ \quad 25\% \text{ of } \$68.00 = \underline{\hspace{2cm}}$

$⑲ \quad 50\% \text{ of } \$34.00 = \underline{\hspace{2cm}}$

$⑳ \quad 25\% \text{ of } \$56.00 = \underline{\hspace{2cm}}$

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Score: \_\_\_\_\_

**1.4 Topic 4 — Order of Operations****1.4.1 Order of Operations 1**

①  $(8 \times 7) - (4 + 5) =$  \_\_\_\_\_

②  $5 + 2 \times 1 + 9 =$  \_\_\_\_\_

③  $2 + 9 \times 7 + 4 =$  \_\_\_\_\_

④  $9 \times 2 + 3 =$  \_\_\_\_\_

⑤  $(2 \times 7) - (3 + 1) =$  \_\_\_\_\_

⑥  $5 \times 1 + 9 =$  \_\_\_\_\_

⑦  $4 + 9 \times 7 + 3 =$  \_\_\_\_\_

⑧  $9 \times 3 + 4 =$  \_\_\_\_\_

⑨  $8 + 2 \times 3 + 1 =$  \_\_\_\_\_

⑩  $(6 + 8) \times (9 + 4) =$  \_\_\_\_\_

⑪  $5 \times (8 + 3) =$  \_\_\_\_\_

⑫  $7 + 1 \times 8 + 6 =$  \_\_\_\_\_

\_\_\_\_\_  
Score:

**1.4.2 Order of Operations 2**

①  $(2 \times 3) - (8 + 10) =$  \_\_\_\_\_

②  $9 \times 3 + 2 =$  \_\_\_\_\_

③  $4 + 11 \times 5 + 14 =$  \_\_\_\_\_

④  $(14 + 8) \times (3 + 7) =$  \_\_\_\_\_

⑤  $11 \times (9 + 2) =$  \_\_\_\_\_

⑥  $10 \times 8 + 4 =$  \_\_\_\_\_

⑦  $5 + 10 \times 9 + 2 =$  \_\_\_\_\_

⑧  $(12 \times 11) - (2 + 4) =$  \_\_\_\_\_

⑨  $(12 + 8) \times (7 + 9) =$  \_\_\_\_\_

⑩  $10 \times (4 + 14) =$  \_\_\_\_\_

⑪  $(14 + 11) \times (4 + 9) =$  \_\_\_\_\_

⑫  $10 \times (4 + 8) =$  \_\_\_\_\_

\_\_\_\_\_  
Score:

## 1.5 Quiz 1

### 1.5.1 Part A — 10 Multiple Choice Questions (1 mark each)

- Which is the largest fraction?  
(A)  $\frac{1}{2}$             (B)  $\frac{1}{3}$             (C)  $\frac{1}{4}$             (D)  $\frac{1}{5}$
- Half of 3 centuries equals  
(A) 30 years        (B) 50 years        (C) 120 years        (D) 150 years
- Which calculation will give the next number in the series? 1.5, 2.0 2.5, 3.0, . . .  
(A)  $1.5 \times 2$         (B)  $4.5 - 1.5$         (C)  $3.0 + 0.5$         (D)  $5.0 \div 2.0$
- 1256 rounded off to the nearest hundred is  
(A) 1260            (B) 1350            (C) 1300            (D) 1200
- What number is represented by  $(5 \times 1000) + (6 \times 100) + 12$ ?  
(A) 56012            (B) 6512            (C) 65012            (D) 5612
- What is the product of the even numbers between 5 and 10?  
(A) 32                (B) 28                (C) 40                (D) 48
- Jane got up at 7:15 a.m. and went to bed at 9 p.m. the same day. For how many hours was Jane awake?  
(A) 13 h and 45 min    (B) 15 h 45 min    (C) 15 h 15 min    (D) 14 h 15 min
- 125% of \$125 equals  
(A) \$15.63            (B) \$156.25            (C) \$125.25            (D) \$16.25
- Five friends meet after a holiday. They all shake hands with each other. How many handshakes will they make altogether?  
(A) 10                (B) 8                (C) 6                (D) 5
- Miss Scott buys folders for the school canteen. If she can buy two folders for \$5.00, how many folders could she buy for \$75?  
(A) 18                (B) 25                (C) 30                (D) 40

**1.5.2 Part B — 10 Average Questions (2 marks each)**

1. If a cyclist travels at 22 km/h, how far would he travel in 4 hours?

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2. The human heart beats about 70 times a minute. How many times would it beat in one hour?

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3. A number is 6 less than 5 times 8. Find the number.

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4. Find the difference between the sum of 140 and 234 and the sum of 456 and 567.

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5. Subtract 26 from the difference of 97 and 23.

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6. Insert grouping symbols to make the following sentence true.

$$9 + 5 \times 4 - 2 = 54$$

7. Two angles of a triangle are  $56^\circ$  and  $45^\circ$ . What is the size of the third angle?

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8. The product of two numbers is 27 and if one of these is 3, what is the other number?

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9.  $(24 + 12) \div (4 + 5) =$

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10. What is the next prime number after 43?

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**1.5.3 Part C — 10 Extension Questions (3 marks each)**

1. Find the average of 25, 35, 45, and 55.

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2. How many sides does a heptagon have?

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3. How many degrees in a straight angle?

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4. How many halves in  $7\frac{1}{2}$ ?

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5. What is the place value of 6 in 345,678?

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6. Use the digits 2, 4, 5, 3, 7 once to write the largest three digit number.

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7. Change  $\frac{1}{8}$  to decimal.

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8. Find the dividend if the divisor is 9 and the quotient is 5.

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9. By how much does 1004 exceed 805?

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10. Find the volume of a cube with edges of 16 cm.

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**1.5.4 Part D — 8 Challenging Questions (5 marks each)**

1. How far will Steven walk in 50 minutes if he walked at the rate of 9 km/h?

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2. If a discount of 25% is given on an item selling for \$50. What is actually paid for the item?

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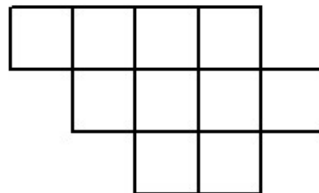
3. The circumference of a car tyre is 2 metres. If the tyre is revolving 5 times every 2 seconds, How far will the car travel in 3 minutes?

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4. How many squares can you see from the figure shown below?



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5. Peter wished to buy a laptop computer priced at \$1,200. He pays one-fifth in cash and the rest in 6 equal monthly payments. How much must he pay each month?

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6. A girl can type 8 words every 12 seconds. How many words would she type in  $5\frac{1}{2}$  minutes?

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7. If Tom can cut a log into 3 pieces in 6 minutes, how long will it take him to cut a similar log into 12 pieces?

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8. A water tank that holds 2400 litres is  $\frac{3}{4}$  full. If  $\frac{1}{3}$  of the water is used, how many litres of water are left?

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9. The average of five numbers is 4. A sixth number is added and the new average is 5. Find the sixth number.

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10. The Reds beat the Blues in a football game. The sum of their scores was 44. The difference of their scores was 20. How many points did the Reds score?

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