

Year 4 Term 3 Homework

Student Name: _____	Grade: _____
Date: _____	Score: _____

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7 Year 4 Term 3 Week 7 Homework

7.1 Topic 1 — Fractions (Revision)

Exercise 7.1.1

1. $\frac{2}{3} + \frac{3}{5} =$ _____

2. $\frac{4}{5} + \frac{6}{7} =$ _____

3. $2\frac{2}{3} + 1\frac{3}{5} =$ _____

4. $3\frac{3}{5} + \frac{3}{8} =$ _____

5. $\frac{5}{3} - \frac{3}{5} =$ _____

6. $\frac{4}{5} - \frac{1}{3} =$ _____

7. $1\frac{2}{3} - \frac{4}{5} =$ _____

8. $2\frac{1}{5} - 1\frac{2}{3} =$ _____

Exercise 7.1.2

1. $\frac{2}{3} \times \frac{2}{5} =$ _____

2. $\frac{5}{3} \times \frac{3}{5} =$ _____

3. $1\frac{2}{3} \times \frac{5}{3} =$ _____

4. $3\frac{1}{4} \times 2\frac{3}{5} =$ _____

5. $\frac{2}{3} \div \frac{2}{5} =$ _____

6. $\frac{5}{3} \div \frac{3}{5} =$ _____

7. $1\frac{2}{3} \div \frac{5}{3} =$ _____

8. $3\frac{1}{4} \div 2\frac{3}{5} =$ _____

7.2 Topic 2 — Decimals (Revision)**Exercise 7.2.1**

1. $5.67 + 2.1 =$ _____

2. $4.82 + 3.6 =$ _____

3. $8.7 - 2.34 =$ _____

4. $12.34 - 8.5 =$ _____

5. $12.5 \times 3.42 =$ _____

6. $3.45 \times 8.4 =$ _____

7. $34.2 \times 11 =$ _____

8. $4.66 \div 0.2 =$ _____

9. $3.2 \div 0.4 =$ _____

10. $3.12 \div 1.3 =$ _____

Exercise 7.2.2

1. A wooden rod has a length of 3.45 cm. It is divided into six equal parts. How long, in millimetres is each new rod?

2. Joe's garden has a length of 14.55 m and a width of 13 m. What is the area of his garden?

3. Tracy rode 60 km in 2.5 hours on her bicycle. Find her average speed in kilometres per hour.

7.3 Topic 3 — Number Patterns**Exercise 7.3.1**

1. 1.3, 1.8, 2.4, 3.1 3.9, 4.8, _____
2. 34, 32, 36, 34, 38, 36, 40, _____
3. 0.2, 0.4, 0.7, 1.4, 1.7, 3.4, _____
4. 33, 41, 43, 52, 54, 64, 66, _____
5. 4.2, 4.8, 4.7, 5.4, 5.3, 6.1, _____
6. 20, 25, 22, 27, 24, 29, 26, _____
7. 0.4, 0.8, 1.1, 2.2 2.5, 5, _____
8. 60, 58, 59, 56, 57, 53, 54, _____
9. 3, 6, 4, 8, 6, 12, 10, _____
10. 7.1, 6.9, 7.1, 6.8, 7, 6.6, _____
11. 6.4, 5.7, 6.2, 5.4, 5.9, 5, _____
12. 51, 47, 44, 39, 36, 30, 27, _____
13. 7, 14, 10, 20, 16, 32, 28, _____
14. 27, 29, 27, 30, 28, 32, 30, _____
15. 3.2, 3.1, 3.6, 3.5, 4, 3.9, _____

7.4 Topic 4 — Problem Solving

Exercise 7.4.1

1. How many prime numbers are there between 30 and 50?

2. How many composite numbers are there between 20 and 40 both inclusive?

3. Find two prime numbers whose sum is 14 and product is 33.

4. What is the sum of the first 5 prime numbers?

5. What is the sum of the first 3 prime numbers greater than 10?

6. A book has 100 pages. How many times is the digit 3 used in the numbering of the pages?

7. A book has 200 pages. How many times is the digit 3 used in the numbering of the pages?

8. Find the digit sum of 467.

7.5 Quiz 7**7.5.1 Part A**

- Find the lowest common multiple of 6, 8 and 12.
A. 12 B. 24 C. 36 D. 144
- Only one of the following equals 21. Which is it?
A. $3+2\times 4+5$ B. $(2+3)\times 4+5$ C. $3+2\times(4+5)$ D. $(2+3)\times(4+5)$
- Change an exam mark of 56 out of 80 to a percentage.
A. $\frac{56}{80}$ B. 60% C. 70% D. 75%
- One gram of water has a volume of 1 cubic centimetre. What would be the weight of 2.5 L?
A. 250 g B. 25 g C. 250 kg D. 2.5 kg
- $\frac{2}{3} \div \frac{3}{4}$ can be worked out by evaluating:
A. $\frac{2}{3} \times \frac{3}{4}$ B. $\frac{2}{3} + \frac{3}{4}$ C. $\frac{2}{3} \times \frac{4}{3}$ D. $\frac{2}{3} - \frac{3}{4}$
- The two 5's in the number 4552 have different values. Divide the value of the first 5 by the value of the second:
A. 1 B. 10 C. 5 D. 50
- Each entrant in the long jump at the athletics was allowed four jumps. These were average to give the average distance. Mike's were 3.15 m, 3.24 m, 3.42 m and 3.03 m. What was Mike's average distance?
A. 3.21 m B. 3.12 m C. 3.16 m D. 3.22 m
- Which of the following four numbers is the smallest?
A. 1.2 B. 1.02 C. 1.21 D. 1.12
- The value of 0.4×0.04 is:
A. 0.016 B. 0.16 C. 0.0016 D. 1.6
- $15 \times 2 + 3 \times 1.2$
A. 33.6 B. 34.6 C. 23.6 D. 36.6

7.5.2 Part B

1. After using 26 litres of paint, Joe had 12 litres of paint left. How much did he pay for all the paint if he paid \$12.45 per litre?

2. Alice puts 359 red marbles and 783 green marbles into each of her 46 boxes. How many red and green marbles did she have altogether?

3. What are the 2 common factors of 51 and 85?

4. Given that $25 \times 304 = 7600$, then $\square \times 25 \times 304 = 22800$.

5. Given that $4500 \div 75 = 60$, then $90000 \div \square = 600$.

6. Helen baked a cake. She gave $\frac{1}{6}$ of it to her sister and ate $\frac{1}{4}$ of the cake herself. What fraction of the cake had she left?

7.5.3 Part C

1. Ken had a full tank of petrol in his car. His car consumed $\frac{4}{7}$ of the petrol on Saturday and $\frac{3}{8}$ of it on Sunday. How much more petrol did his car consume on Saturday than on Sunday?

2. Sam spent $\frac{1}{4}$ of his money on food and $\frac{1}{3}$ of it on drinks. What fraction of his money did he left?

3. In the canteen, there are 345 adults and 236 more children than adults. The canteen can hold 1200 people. How many more people can it hold?

4. Tony had 20 coins. $\frac{1}{5}$ of them were 50-cents coins and $\frac{2}{5}$ of them were 20-cents coins. The rest of them were 10-cents coins.

(a) What fraction of the coins were 10-cents coins?

(b) How much money did Tony have altogether?

5. Sam delivers 9 papers in 2 minutes. At what average speed is he delivering papers per hour?

7.5.4 Part D

1. David drove 84 km in the first hour, 75 km in the second hour and 66 km in the third hour. What was his average speed?

2. The distance between Sydney and Canberra is 315 Km. John leaves Sydney at 7:35 am and arrives in Canberra at 12:15 pm. What was his average driving speed for his trip?

3. James is $1\frac{7}{8}$ m tall. His younger brother Bob is $\frac{1}{4}$ m shorter than he is while his older sister Jessica is $\frac{1}{5}$ m taller than Bob. How tall is Jessica?

4. Keith is $1\frac{3}{4}$ m tall. His older brother, Mike is $\frac{1}{5}$ m taller than he is while his younger sister Mary, is $\frac{1}{4}$ shorter than Keith is. How much taller than Mary is Mike?

5. Michael was training for the cross-country race. He ran for a total 4500 m in 3 days. If he ran 680 m more in the second day than the first day, and 350 m in the third day than the second day. What is the longest distance he covered in a day?
