Primary 4 Maths Worksheets

Primary 4 · Mathematics

The Singapore Syllabus

1 Numbers up to 100 000

Name: _____ **Date:** _____ **Score:** ____ / 10

Syllabus: Numbers up to 100 000: place value, numbers in words, comparing, ordering, number patterns and rounding.

Write your answer on the line.

1. Write 45 208 in words.

   Answer: _____

2. Write seventy thousand and sixty-three in numerals.

   Answer: _____

3. In 86 419, the digit 6 stands for ____.

4. 30 000 + 7000 + 50 + 2 = ____

5. Arrange these numbers in order. Begin with the smallest.

   54 310, 45 310, 54 130, 45 031

   Answer: _____

6. What number is 10 000 more than 28 650?

   Answer: _____

7. Fill in the missing number: 61 500, 62 000, 62 500, ____

8. Round 47 386 to the nearest 100.

   Answer: _____

9. Round 63 512 to the nearest 1000.

   Answer: _____

10. A whole number is 25 000 when rounded to the nearest 1000. What is the smallest number it could be?

    Answer: _____

2 Factors and multiples

Name: _____ **Date:** _____ **Score: ____ / 10**

Syllabus: Factors, multiples, common factors and common multiples of whole numbers up to 100.

A factor divides a number exactly. A multiple is what you get when you multiply a number by 1, 2, 3 and so on.

1. List all the factors of 18.

Answer: _____

2. List all the factors of 40.

Answer: _____

3. Is 7 a factor of 91?

Answer: _____

4. Write the first five multiples of 6.

Answer: _____

5. What is the 8th multiple of 9?

Answer: _____

6. List the common factors of 12 and 30.

Answer: _____

7. What is the greatest common factor of 24 and 36?

Answer: _____

8. Write the first two common multiples of 4 and 6.

Answer: _____

9. Which of these numbers is a multiple of both 3 and 5?

a. 25 b. 27 c. 45 d. 50

Answer: _____

10. Ali thinks of a number between 40 and 60. It is a multiple of 8 and a factor of 96. What is his number?

Answer: _____

3 Multiplication and division

Name: _____ **Date:** _____ **Score:** ____ / 10

Syllabus: Multiplying up to 4 digits by 1 digit and up to 3 digits by 2 digits, and dividing up to 4 digits by 1 digit.

Use the column method and long division. Write a remainder like this: 7 R 5

1. 2314 × 3 = ____
2. 1608 × 7 = ____
3. 46 × 30 = ____
4. 58 × 24 = ____
5. 237 × 45 = ____
6. 8436 ÷ 4 = ____
7. 5215 ÷ 7 = ____
8. 3050 ÷ 6 = ____
9. A factory packs 1250 biscuits into each carton. How many biscuits are there in 8 cartons?

   Answer: _____

10. A baker packs 1350 buns into boxes of 8. How many full boxes does he get? How many buns are left over?

    Answer: _____

4 Mixed numbers and fractions

Name: _____ **Date:** _____ **Score: ____ / 10**

Syllabus: Mixed numbers, improper fractions, and adding and subtracting fractions with denominators up to 12.

Give each answer in its simplest form.

1. Write $\frac{7}{3}$ as a mixed number.

Answer: _____

2. Write $\frac{17}{5}$ as a mixed number.

Answer: _____

3. Write $2\ \frac{3}{4}$ as an improper fraction.

Answer: _____

4. Write $4\ \frac{5}{6}$ as an improper fraction.

Answer: _____

5. Write $\frac{18}{8}$ as a mixed number in its simplest form.

Answer: _____

6. Which is greater, $2\ \frac{1}{3}$ or $\frac{9}{4}$?

Answer: _____

7. $\frac{3}{5} + \frac{4}{5} =$ ____

8. $\frac{5}{6} + \frac{2}{3} =$ ____

9. $2 - \frac{3}{8} =$ ____

10. $\frac{7}{4} - \frac{5}{12} =$ ____

5 Fraction of a set

Name: _____ **Date:** _____ **Score:** ____ / 10

Syllabus: Fraction as part of a set of objects, and word problems on fractions.

Find the value of 1 unit first.

1. $\frac{1}{4}$ of 20 = ____

2. $\frac{2}{3}$ of 18 = ____

3. $\frac{5}{8}$ of 40 = ____

4. $\frac{3}{7}$ of 63 = ____

5. There are 12 fruits in a basket. 5 of them are apples. What fraction of the fruits are apples?

   Answer: _____

6. A box has 6 red pens and 10 blue pens. What fraction of the pens are red? Give your answer in its simplest form.

   Answer: _____

7. There are 36 pupils in a class. $\frac{4}{9}$ of them are boys. How many girls are there?

   Answer: _____

8. Siti had $45. She spent $\frac{2}{5}$ of it on a book. How much money did she have left?

   Answer: _____

9. Ravi read $\frac{3}{4}$ of a book. He read 90 pages. How many pages are there in the book?

   Answer: _____

10. Mrs Tan baked 48 tarts. She sold $\frac{5}{6}$ of them and gave $\frac{1}{4}$ of the remaining tarts to a neighbour. How many tarts did she give to the neighbour?

    Answer: _____

6 Decimals

Name: _____ **Date:** _____ **Score:** ____ / 10

Syllabus: Decimals up to 3 decimal places: place value, comparing, ordering, rounding, and changing between fractions and decimals.

Write your answer on the line.

1. Write 7 tenths and 3 hundredths as a decimal.

   Answer: _____

2. In 5.482, the digit 8 stands for ____.

3. Write $\frac{3}{4}$ as a decimal.

   Answer: _____

4. Write 0.6 as a fraction in its simplest form.

   Answer: _____

5. Write $2\ \frac{9}{100}$ as a decimal.

   Answer: _____

6. Which is greater, 0.305 or 0.35?

   Answer: _____

7. Arrange these decimals in order. Begin with the smallest.

   1.52, 1.205, 1.25, 1.5

   Answer: _____

8. What number is 0.01 more than 4.39?

   Answer: _____

9. Round 6.47 to the nearest whole number.

   Answer: _____

10. Round 12.385 to 1 decimal place.

    Answer: _____

7 Four operations on decimals

Name: _____ **Date:** _____ **Score:** ____ / 10

Syllabus: Adding and subtracting decimals up to 2 decimal places, and multiplying and dividing them by a 1-digit whole number.

Line up the decimal points before you add or subtract.

1. 3.46 + 2.7 = ____
2. 8.05 + 4.98 = ____
3. 9.3 − 4.65 = ____
4. 10 − 3.28 = ____
5. 2.47 × 6 = ____
6. 0.85 × 4 = ____
7. 7.35 ÷ 5 = ____
8. 9 ÷ 4 = ____
9. A ribbon 6.3 m long is cut into 7 equal pieces. How long is each piece?

   Answer: _____

10. A pen costs $1.85. Mei buys 4 pens and pays with a $10 note. How much change does she get?

    Answer: _____

8 Area and perimeter

Name: _____ **Date:** _____ **Score:** ____ / 10

Syllabus: Finding one side of a rectangle or square from its area or perimeter, and the area and perimeter of figures made of rectangles and squares.

Sketch each figure and label its sides before you start.

1. A rectangle has an area of 84 cm². Its length is 12 cm. Find its breadth.

Answer: _____

2. A square has an area of 64 m². Find the length of one side.

Answer: _____

3. The perimeter of a rectangle is 46 cm. Its length is 15 cm. Find its breadth.

Answer: _____

4. The perimeter of a square is 52 cm. Find its area.

Answer: _____

5. A square has an area of 81 cm². Find its perimeter.

Answer: _____

6. A rectangle is 14 m long. Its breadth is half its length. Find its area.

Answer: _____

7. A wire 60 cm long is bent to form a rectangle 18 cm long. Find the breadth of the rectangle.

Answer: _____

8. A square of side 3 cm is cut out from one corner of a rectangle 10 cm long and 6 cm wide. What is the area of the figure that is left?

Answer: _____

9. What is the perimeter of the figure that is left in question 8?

Answer: _____

10. A garden is 12 m long and 9 m wide. A path 1 m wide runs all the way around the outside of the garden. Find the area of the path.

Answer: _____

A Answer key

Mark each worksheet, then go over any wrong answer together.

1. NUMBERS UP TO 100 000

1. forty-five thousand, two hundred and eight
2. 70 063
3. 6000 (6 thousands)
4. 37 052
5. 45 031, 45 310, 54 130, 54 310
6. 38 650
7. 63 000
8. 47 400
9. 64 000
10. 24 500

2. FACTORS AND MULTIPLES

1. 1, 2, 3, 6, 9, 18
2. 1, 2, 4, 5, 8, 10, 20, 40
3. yes, because 91 ÷ 7 = 13
4. 6, 12, 18, 24, 30
5. 72
6. 1, 2, 3, 6
7. 12
8. 12, 24
9. 45
10. 48

3. MULTIPLICATION AND DIVISION

1. 6942
2. 11 256
3. 1380
4. 1392
5. 10 665
6. 2109
7. 745
8. 508 R 2
9. 10 000
10. 168 boxes, 6 buns left over

4. MIXED NUMBERS AND FRACTIONS

1. $2\frac{1}{3}$
2. $3\frac{2}{5}$
3. $\frac{11}{4}$
4. $\frac{29}{6}$
5. $2\frac{1}{4}$
6. $2\frac{1}{3}$ ($\frac{9}{4}$ is $2\frac{1}{4}$)
7. $1\frac{2}{5}$
8. $1\frac{1}{2}$
9. $1\frac{5}{8}$
10. $1\frac{1}{3}$

5. FRACTION OF A SET

1. 5
2. 12
3. 25
4. 27
5. $\frac{5}{12}$
6. $\frac{3}{8}$
7. 20
8. $27
9. 120
10. 2

6. DECIMALS

1. 0.73
2. 0.08 (8 hundredths)
3. 0.75
4. $\frac{3}{5}$
5. 2.09
6. 0.35
7. 1.205, 1.25, 1.5, 1.52
8. 4.4
9. 6
10. 12.4

7. FOUR OPERATIONS ON DECIMALS

1. 6.16
2. 13.03
3. 4.65
4. 6.72
5. 14.82
6. 3.4
7. 1.47
8. 2.25
9. 0.9 m
10. $2.60

8. AREA AND PERIMETER

1. 7 cm
2. 8 m
3. 8 cm
4. 169 cm^2
5. 36 cm
6. 98 m^2
7. 12 cm
8. 51 cm^2
9. 32 cm, the same as the rectangle
10. 46 m^2