SAMPEL PERCUMA

Cambridge Primary Maths Stage 4 (Year 4) Workbook + Answer Key

Set penuh: Cambridge Primary

Year 4 Maths

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PRIMARY MATHEMATICS · PRACTICE WORKBOOK

Cambridge Primary Mathematics

Stage 4

Topic practice for Year 4 (ages 8–9)

- 14 topics across Number, Geometry & Measure, Statistics & Probability
- 148 original practice questions, easy to challenging
- End-of-stage mixed test (35 marks)
- Full answer key with worked answers

Follows the Cambridge Primary Mathematics curriculum framework (0096), Stage 4.
Independent practice material — not an official Cambridge publication. All questions are original.
Metric units throughout; money in RM (ringgit) and sen.

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Geometry and Measure

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Check your progress

End-of-stage mixed test (35 marks)	all strands	**32**
Answer key with worked answers		**35**

Follows Cambridge Primary Mathematics curriculum framework (0096), Stage 4. The codes (e.g. 4Nc.01) are the framework's learning-objective codes.
Not an official Cambridge publication. Questions written independently for practice.

Number 4Ni.07–4Ni.08

Topic 4: Multiples, factors and divisibility

Remember

- **Multiples** of 6: 6, 12, 18, 24 … **Factors** of 12: 1, 2, 3, 4, 6, 12 (they come in pairs: 1×12, 2×6, 3×4).
- Divisible by 2: last digit even · by 5: ends in 0 or 5 · by 10: ends in 0
- Divisible by 25: ends in 00, 25, 50 or 75 · by 50: ends in 00 or 50 · by 100: ends in 00

1. List the first six multiples of 7.

   Answer: _____

2. List all the factors of 24.

   Answer: _____

3. Write all the factor pairs of 36.

   Answer: _____

4. Which of these numbers are multiples of both 3 and 4?

   12 18 24 30 36

   Answer: _____

5. Fill in the words *factor* or *multiple*.

   7 is a _____ of 56, and 56 is a _____ of 7.

6. Which of these numbers are divisible by 25?

   150 245 375 410 1000

   Answer: _____

7. Which of these numbers are divisible by 50?

   350 425 700 1250 980

   Answer: _____

8. Which of these numbers are divisible by 100?

   3400 3040 4300 3004

   Answer: _____

9. Which of these numbers are divisible by **both** 10 and 25?

   120 135 400 75 250

   Answer: _____

Number 4Nf.01–4Nf.07

Topic 6: Fractions and percentages

Remember

- The more equal parts a whole is cut into, the smaller each part: $\frac{1}{10}$ is smaller than $\frac{1}{6}$.
- A fraction is a division: $\frac{2}{5} = 2 \div 5$. To find $\frac{1}{3}$ of 12, divide by 3.
- Equivalent fractions have the same value: $\frac{1}{3} = \frac{2}{6} = \frac{3}{9}$.
- Same denominator? Add or subtract the numerators: $\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$.
- Per cent (%) means “out of 100”.

1. Which is bigger, $\frac{1}{5}$ or $\frac{1}{8}$? Explain.

   Answer: _____

2. What fraction of this bar is shaded?



   Answer: _____

3. Find:
   (a) $\frac{1}{4}$ of 28
   (b) $\frac{1}{3}$ of 18
   (c) $\frac{1}{10}$ of 90

   Answer: _____

4. Write each division as a fraction.
   (a) $3 \div 4$
   (b) $1 \div 5$

   Answer: _____

5. Fill in the missing numbers.
   $\frac{1}{2} = \frac{\square}{8}$ $\frac{2}{3} = \frac{\square}{6}$ $\frac{3}{4} = \frac{6}{\square}$

   Answer: _____

6. Calculate.
   (a) $\frac{2}{7} + \frac{3}{7}$
   (b) $\frac{7}{9} - \frac{4}{9}$
   (c) $\frac{5}{8} + \frac{3}{8}$

   Answer: _____

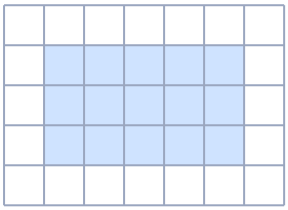
Geometry and Measure 4Gg.02–4Gg.04

Topic 10: Perimeter and area

Remember

- **Perimeter** = the distance all the way round. **Area** = the number of squares inside (cm^2, m^2).
- Rectangle: area = length × width; perimeter = 2 × (length + width). Square: perimeter = 4 × side.
- For a compound shape, split it into rectangles and add the areas.

1. Each square is 1 cm by 1 cm. Find the perimeter and area of the shaded rectangle.



Answer: _____

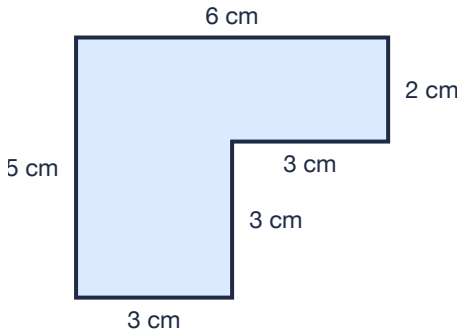
2. A rectangle is 8 cm long and 5 cm wide. Find its perimeter and its area.

Answer: _____

3. A square has sides of 7 cm. Find its perimeter and area.

Answer: _____

4. Find the area and the perimeter of this shape.



Answer: _____

Statistics and Probability 4Ss.01–4Ss.03

Topic 13: Collecting and showing data

Remember

- **Categorical** data are names or groups (favourite fruit). **Discrete** data are counts (number of pets).
- Show data in tally charts, frequency tables, pictograms, bar charts, dot plots, Venn and Carroll diagrams.
- Always read the key and the scale before answering.

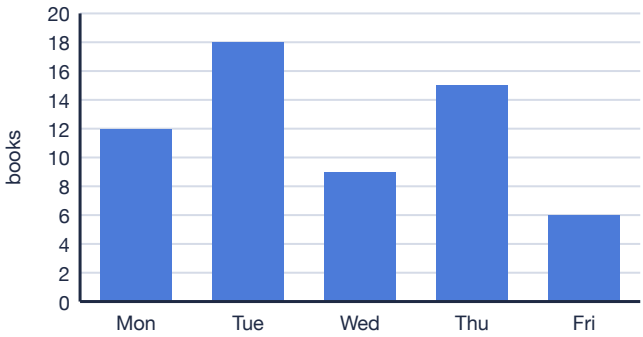
1. Class 4 voted for their favourite fruit.

Fruit	Mango	Banana	Durian	Papaya
Frequency	8	4	11	3

(a) Which fruit was most popular?
(b) How many children voted?
(c) How many more chose durian than banana?

Answer: _____

2. Books read by Class 4A in one week.



(a) On which day were the most books read?
(b) How many more books were read on Thursday than on Wednesday?
(c) How many books were read in the whole week?

Answer: _____

3. Class 4B read 45 books in the same week. Which class read more books, and how many more?

Answer: _____

End-of-Stage Mixed Test — Stage 4

35 marks · about 45 minutes · show your working

Name: _____ Date: _____ Score: _____ / 35

1. Count back in steps of 4: 10, 6, 2, _____, _____ [1 mark]

2. Write 5806 in words. [1 mark]

   Answer: _____

3. Calculate 563 + 278. [1 mark]

   Answer: _____

4. Calculate 900 – 436. [1 mark]

   Answer: _____

5. 8 × 7 = _____ 63 ÷ 9 = _____ [1 mark]

6. Estimate, then calculate 214 × 4. [2 marks]

   Answer: _____

7. Calculate 92 ÷ 5. [1 mark]

   Answer: _____

8. A bookshop sells 125 books for RM6 each. How much money is that? [2 marks]

   Answer: _____

9. List all the factors of 20. [1 mark]

   Answer: _____

10. Which of these are divisible by 25? 175 230 600 [1 mark]

    Answer: _____

11. Round 36 549 to the nearest 1000 and to the nearest 100. [2 marks]

    Answer: _____

12. Order from smallest to largest: –3, 8, –9, 0 [1 mark]

    Answer: _____

13. Calculate $\frac{3}{8} + \frac{4}{8}$. [1 mark]

    Answer: _____

Answer Key — worked answers

Estimates: any sensible rounding is accepted. Where a question has more than one correct answer, one example is shown.

Topic 1: Counting and sequences

1	**29, 36, 43**	Add 7 each time: 22+7=29, 29+7=36, 36+7=43.
2	**2150, 2050, 1950**	Subtract 100 each time.
3	**1, –2, –5**	4–3=1, 1–3=–2, –2–3=–5.
4	**8400, 9400, 10 400**	Add 1000 each time; only the thousands digit changes until 10 400.
5	**A = –4, B = 3**	Each mark is 1. A is 4 marks left of 0; B is 3 marks right of 0.
6	**Odd**	37 is odd and 48 is even. odd + even = odd. (Check: 37+48 = 85.)
7	**No**	odd + odd = even, e.g. 3 + 5 = 8.
8	**(a) ▲ = 75 (b) ■ = 92**	(a) 120 – 45 = 75. (b) 64 + 28 = 92.
9	**24, 29; rule: add 5**	Each term is 5 more than the one before.
10	**16, 22**	The differences go up by 1: +1, +2, +3, +4, +5, +6. So 11+5=16, 16+6=22.
11	**25**	The 5th pattern is a 5 by 5 square: 5 × 5 = 25.
12	**–6**	26, 18, 10, 2, –6. The first number below zero is –6.

Topic 2: Big numbers, adding and subtracting

1	**seven thousand, four hundred and eight**	
2	**23 050**	23 thousands, 0 hundreds, 5 tens, 0 ones.
3	**negative fifteen**	(“minus fifteen” is also accepted.)
4	**Estimate 390 + 250 = 640 (or 400 + 200 = 600); answer 633**	386 + 247: 300+200=500, 80+40=120, 6+7=13 → 633.
5	**Estimate 800 – 370 = 430 (or 800 – 400 = 400); answer 437**	802 – 365 = 437. Check: 437 + 365 = 802.
6	**300**	512 ≈ 500, 189 ≈ 200 → 500 – 200 = 300. (Exact: 323.)
7	**364 books**	642 – 278 = 364. Check: 364 + 278 = 642.
8	**7 (477 + 285 = 762)**	762 – 285 = 477, so the missing digit is 7.
9	**(a) RM131 (b) RM843**	(a) 487 – 356 = 131. (b) 356 + 487 = 843.
10	**853 – 358 = 495**	Largest 853, smallest 358; 853 – 358 = 495.
11	**(a) 40 609 (b) 1011 (c) –24**	

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