SAMPEL PERCUMA

Cambridge Primary Maths Stage 3 (Year 3) Workbook + Answer Key

Set penuh: Cambridge Primary

Year 3 Maths

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- Cambridge Mathematics Year 3 · Google Drive

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PRIMARY MATHEMATICS · PRACTICE WORKBOOK

Cambridge Primary Mathematics

Stage 3

Topic practice for Year 3 (ages 7–8)

- 15 topics across Number, Geometry & Measure, Statistics & Probability
- 145 original practice questions, easy to challenging
- Numbers to 1000, times tables, money and change in RM
- End-of-stage mixed test (31 marks)
- Full answer key with worked answers

Follows the Cambridge Primary Mathematics curriculum framework (0096), Stage 3.
Independent practice material — not an official Cambridge publication. All questions are original.
Metric units throughout; money in RM (ringgit) and sen.

Contents

Number

1. Counting, estimating and sequences	3Nc.01–3Nc.06	3
2. Numbers to 1000 and place value	3Ni.01, 3Np.01–3Np.03	5
3. Comparing, ordering and rounding	3Np.04–3Np.05	7
4. Adding and subtracting	3Ni.02–3Ni.04	9
5. Multiplying and dividing	3Ni.05–3Ni.10	11
6. Money and giving change	3Nm.01–3Nm.02	13
7. Fractions	3Nf.01–3Nf.08	15

Geometry and Measure

8. Time and timetables	3Gt.01–3Gt.04	18
9. 2D shapes, 3D shapes and symmetry	3Gg.01, 3Gg.05, 3Gg.08–3Gg.09	20
10. Angles and turns	3Gg.10	22
11. Length, perimeter and area	3Gg.02–3Gg.04	24
12. Mass, capacity and temperature	3Gg.06–3Gg.07, 3Gg.11	26
13. Position, direction and reflection	3Gp.01–3Gp.02	28

Statistics and Probability

14. Collecting and showing data	3Ss.01–3Ss.03	30
15. Chance	3Sp.01–3Sp.02	32

Check your progress

End-of-stage mixed test (31 marks)	all strands	34
Answer key with worked answers		37

Follows Cambridge Primary Mathematics curriculum framework (0096), Stage 3. The codes (e.g. 3Nc.01) are the framework's learning-objective codes.
Not an official Cambridge publication. Questions written independently for practice.

Number 3Ni.01, 3Np.01–3Np.03

Topic 2: Numbers to 1000 and place value

Remember

- In a 3-digit number: **hundreds**, **tens**, **ones**. 472 = 400 + 70 + 2.
- Regroup: 472 = 400 + 60 + 12 = 300 + 170 + 2.
- Multiply by 10: every digit moves one place left and 0 fills the ones: 34 × 10 = 340.

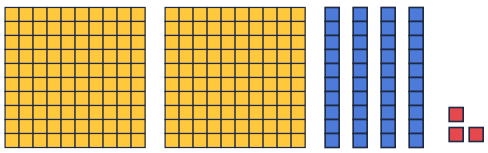
1. Write in numerals.
   (a) four hundred and seven
   (b) nine hundred and sixty
   (c) six hundred and twelve

   Answer: _____

2. Write in words.
   (a) 385
   (b) 740
   (c) 506

   Answer: _____

3. What number is shown? (flat = 100, stick = 10, cube = 1)



   Answer: _____

4. What is the value of the digit 6 in each number?
   (a) 658
   (b) 862
   (c) 236

   Answer: _____

5. Fill in.
   (a) 593 = 500 + _____ + 3
   (b) 472 = 300 + _____ + 2
   (c) 472 = 400 + 60 + _____

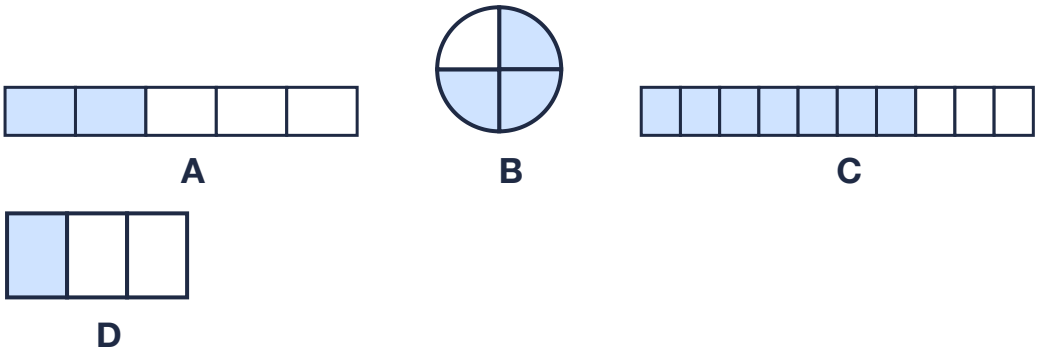
Number 3Nf.01–3Nf.08

Topic 7: Fractions

Remember

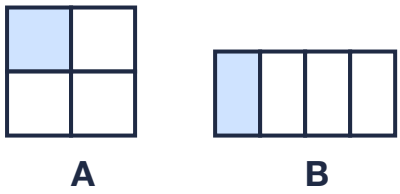
- The **denominator** (bottom) is how many equal parts the whole has. The **numerator** (top) is how many parts we take.
- To find $\frac{1}{3}$ of 12, divide by 3. To find $\frac{3}{4}$ of 20, find $\frac{1}{4}$ (5), then × 3 (15).
- Equivalent fractions: $\frac{1}{2} = \frac{5}{10}$ · $\frac{1}{5} = \frac{2}{10}$. Add same-denominator fractions by adding the numerators.
- Unit fractions: the bigger the denominator, the smaller the fraction: $\frac{1}{10} < \frac{1}{4}$.

1. What fraction is shaded?



Answer: _____

2. These two shapes are different, but each is cut into 4 equal parts with 1 part shaded. Is the same fraction shaded in both?



Answer: _____

3. Find:
   (a) $\frac{1}{3}$ of 12
   (b) $\frac{1}{10}$ of 50
   (c) $\frac{3}{4}$ of 20

Answer: _____

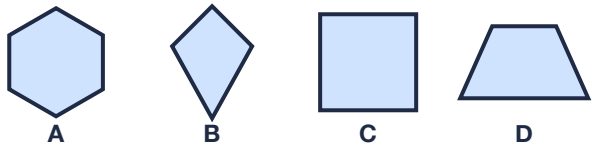
Geometry and Measure 3Gg.01, 3Gg.05, 3Gg.08–3Gg.09

Topic 9: 2D shapes, 3D shapes and symmetry

Remember

- A **regular** polygon has all sides equal and all angles equal. Otherwise it is **irregular**.
- Quadrilaterals have 4 sides: square, rectangle, kite, trapezium …
- 3D shapes: count faces, edges and vertices.
- A line of symmetry can be **vertical** or **horizontal**.

1. Name each shape. Which are regular?



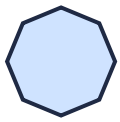
Answer: _____

2. A pentagon has _____ sides and _____ vertices.

3. Name the quadrilateral with 4 right angles and 4 equal sides.

Answer: _____

4. How many sides does an octagon have?

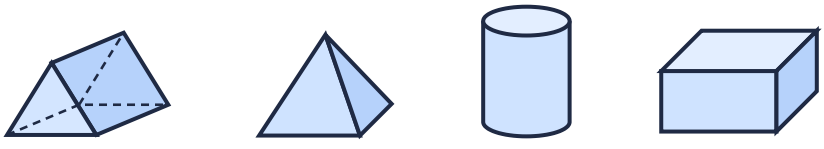


Answer: _____

5. Name the 3D shape.
   (a) 6 rectangle faces
   (b) 2 triangle faces and 3 rectangle faces
   (c) a square base and 4 triangle faces that meet at a point

Answer: _____

6. Name each 3D shape.



Answer: _____

Topic 14: Collecting and showing data

Remember

- **Categorical** data are names or groups (colours, pets). **Discrete** data are counted numbers (number of brothers).
- Show data in tally charts, frequency tables, pictograms, bar charts, Venn and Carroll diagrams.
- Read the scale or the key carefully before answering.

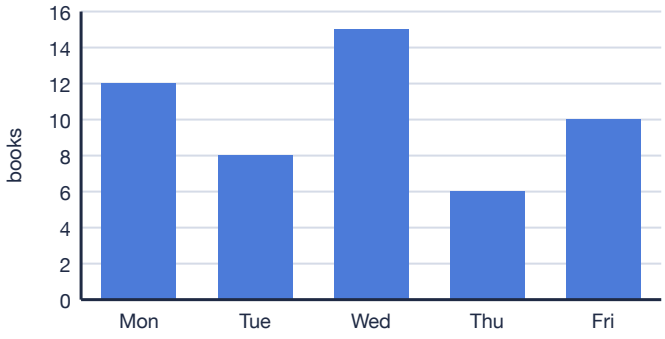
1. Favourite fruits.

fruit	tally	frequency
mango	𝍸 ||||	
durian	||||	
banana	𝍸 ||	
papaya	𝍸	

(a) Fill in the frequency column.
(b) Which fruit is the most popular?
(c) How many children were asked?

Answer: _____

2. Books read by a class.



(a) How many books were read on Wednesday?
(b) How many more books were read on Wednesday than on Thursday?
(c) How many books were read altogether?

Answer: _____

End-of-Stage Mixed Test — Stage 3

31 marks · about 45 minutes · show your working

Name: _____ Date: _____ Score: _____ / 31

1. Count back in fours: 50, 46, _____, _____ [1 mark]

2. Write *eight hundred and four* in numerals. [1 mark]

   Answer: _____

3. What is the value of the 3 in 637? [1 mark]

   Answer: _____

4. Round 476 to the nearest 10 and to the nearest 100. [2 marks]

   Answer: _____

5. Write < or >: 389 _____ 398 [1 mark]

6. 65 + _____ = 100 [1 mark]

7. Calculate 456 + 278. [1 mark]

   Answer: _____

8. Calculate 605 − 243. [1 mark]

   Answer: _____

9. 8 × 7 = _____ 54 ÷ 9 = _____ [2 marks]

10. Calculate 4 × 36. [1 mark]

    Answer: _____

11. Calculate 85 ÷ 5. [1 mark]

    Answer: _____

12. 26 × 10 = _____ [1 mark]

13. A drink costs RM2.30. Ali pays with RM5. How much change? [2 marks]

    Answer: _____

14. Find $\frac{1}{3}$ of 18 and $\frac{3}{4}$ of 16. [2 marks]

    Answer: _____

3	**910, 901, 199, 190**	
4	**(a) 440 (b) 650 (c) 900**	(c) 895 is exactly halfway, so round up to 900.
5	**(a) 400 (b) 700 (c) 800**	Look at the tens digit.
6	**smallest 250, largest 349**	
7	**A = 430, B = 480**	Each step is 10.
8	**(a) 935 (b) 392**	(b) 402 – 10: the tens go from 0 to 9 and the hundreds drop by 1.
9	**most: Chen; least: Ben**	638 > 386 > 368.
10	**9**	597 > 587. With 8 we get 587, which is equal, not greater.

Topic 4: Adding and subtracting

1	**(a) 75 (b) 125**	(a) 27 + 3 = 30; 30 + 45 = 75. (b) 68 + 32 = 100; 100 + 25 = 125.
2	**(a) 63 (b) 400 (c) 550**	
3	**583**	5 + 8 = 13: write 3, carry 1 ten. 4 + 3 + 1 = 8 tens. 3 + 2 = 5 hundreds.
4	**628**	Tens: 7 + 5 = 12 tens: write 2, carry 1 hundred. 4 + 1 + 1 = 6 hundreds.
5	**435**	Ones: 3 – 8 is too small, regroup a ten: 13 – 8 = 5. Tens: 5 – 2 = 3. Hundreds: 5 – 1 = 4.
6	**361**	Tens: 4 – 8 is too small, regroup a hundred: 14 – 8 = 6. Hundreds: 6 – 3 = 3. Ones: 2 – 1 = 1.
7	**estimate 400 + 200 = 600; answer 613**	398 + 215 = 613, close to 600.
8	**235**	520 – 285 = 235. Check: 235 + 285 = 520.
9	**511**	248 + 263 = 511.
10	**375**	230 + 145 = 375.

Topic 5: Multiplying and dividing

1	**24, 28, 54, 48, 36**	
2	**4 × 6 = 24, 24 ÷ 6 = 4, 24 ÷ 4 = 6**	
3	**92**	4 × 20 = 80, 4 × 3 = 12, 80 + 12 = 92.
4	**(a) 138 (b) 170 (c) 174**	(a) 120 + 18. (b) 150 + 20. (c) 160 + 14.
5	**estimate 4 × 50 = 200; answer 196**	4 × 49 = 4 × 50 – 4 = 196.
6	**(a) 21 (b) 15 (c) 32**	(a) 80 ÷ 4 + 4 ÷ 4 = 20 + 1. (b) 50 ÷ 5 + 25 ÷ 5 = 10 + 5. (c) 90 ÷ 3 + 6 ÷ 3 = 30 + 2.

TAMAT SAMPEL

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