SAMPEL PERCUMA

Cambridge Primary Maths Fractions Worksheets (Stage 1–6) + Answer Key

Set penuh: Cambridge Primary

Maths Year 1–6

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PRIMARY MATHEMATICS · PRACTICE WORKBOOK

Cambridge Primary Mathematics

Stage 5

Topic practice for Year 5 (ages 9–10)

- 15 topics across Number, Geometry & Measure, Statistics & Probability
- 158 original practice questions, easy to challenging
- End-of-stage mixed test (34 marks)
- Full answer key with worked answers

Follows the Cambridge Primary Mathematics curriculum framework (0096), Stage 5.
Independent practice material — not an official Cambridge publication. All questions are original.
Metric units throughout; money in RM (ringgit) and sen.

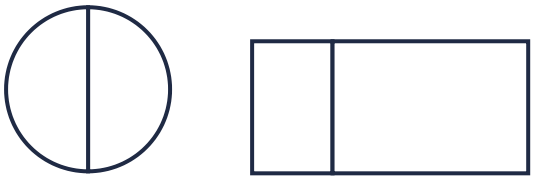
Number 1Nf.01–1Nf.04

Topic 8: Halves

Remember

- A **half** is one of **two equal** parts.
- To find half of a group, share it equally into 2 groups.
- Two halves make one **whole**.

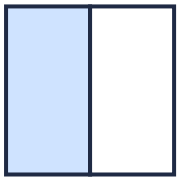
1. Which shape is cut into two **equal** parts?



A **B**

Answer: _____

2. Is half of this shape shaded?



Answer: _____

3. Is half of this shape shaded?



Answer: _____

4. Find half of these apples.



Answer: _____

5. Find:
   (a) $\frac{1}{4}$ of 20
   (b) $\frac{3}{4}$ of 20

   Answer: _____

6. Which is bigger: $\frac{1}{2}$ or $\frac{1}{4}$?

   Answer: _____

7. Order from smallest to largest: $\frac{3}{4}$, $\frac{1}{4}$, 1, $\frac{1}{2}$

   Answer: _____

8. (a) How many quarters make one half?
   (b) How many quarters make one whole?

   Answer: _____

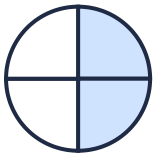
9. Ali eats $\frac{1}{2}$ of a pizza. His sister eats $\frac{1}{4}$ of the same pizza.
   (a) What fraction did they eat altogether?
   (b) What fraction is left?

   Answer: _____

10. Share 24 marbles into 4 equal groups. How many in each group?

    Answer: _____

11. Is two quarters the same as one half?



    Answer: _____

4. Find:
   (a) $\frac{1}{2}$ of 30
   (b) $\frac{1}{4}$ of 36
   (c) $\frac{3}{4}$ of 36

   Answer: _____

5. Write as a fraction.
   (a) $3 \div 4$
   (b) $1 \div 2$

   Answer: _____

6. Fill in the missing numbers.
   (a) $\frac{1}{2} = \frac{\square}{10}$
   (b) $\frac{2}{4} = \frac{\square}{2}$
   (c) $\frac{4}{5} = \frac{\square}{10}$

   Answer: _____

7. Calculate.
   (a) $\frac{2}{5} + \frac{1}{5}$
   (b) $\frac{7}{10} - \frac{4}{10}$
   (c) $\frac{1}{4} + \frac{2}{4}$

   Answer: _____

8. Write <, > or =.
   (a) $\frac{1}{3}$ _____ $\frac{1}{5}$
   (b) $\frac{3}{8}$ _____ $\frac{5}{8}$
   (c) $\frac{1}{2}$ _____ $\frac{5}{10}$

9. Order from smallest to largest: $\frac{1}{2}$, $\frac{1}{10}$, $\frac{1}{4}$, $\frac{1}{3}$

   Answer: _____

10. A pizza is cut into 8 equal slices. Ali eats 3 slices. What fraction of the pizza is left?

    Answer: _____

Number 5Nf.01–5Nf.03, 5Nf.05–5Nf.06

Topic 6: Fractions

Remember

- $\frac{2}{3} = 2 \div 3$. To find $\frac{2}{3}$ of 12: $12 \div 3 \times 2 = 8$.
- Improper fraction ↔ mixed number: $\frac{9}{4} = 2\frac{1}{4}$.
- To add $\frac{1}{3} + \frac{1}{6}$, change to the same denominator: $\frac{2}{6} + \frac{1}{6} = \frac{3}{6}$.
- $\frac{1}{5} \times 2 = \frac{2}{5}$ · $\frac{1}{3} \div 4 = \frac{1}{12}$

1. Write each as a division or a fraction.
   (a) $\frac{3}{4}$ = _____ ÷ _____
   (b) 7 ÷ 10 = _____
   (c) $\frac{23}{100}$ = _____ ÷ _____

2. Find:
   (a) $\frac{3}{4}$ of 20
   (b) $\frac{2}{5}$ of 35
   (c) $\frac{5}{8}$ of 48

   Answer: _____

3. Change to mixed numbers: $\frac{7}{4}$, $\frac{11}{3}$. Change to an improper fraction: $2\frac{1}{5}$.

   Answer: _____

4. Calculate.
   (a) $\frac{1}{2} + \frac{1}{4}$
   (b) $\frac{2}{3} + \frac{1}{6}$
   (c) $\frac{3}{4} - \frac{3}{8}$
   (d) $\frac{7}{10} - \frac{1}{5}$

   Answer: _____

5. Calculate $\frac{5}{6} + \frac{1}{3}$. Write the answer as a mixed number.

   Answer: _____

6. Calculate.
   (a) $\frac{1}{4} \times 3$
   (b) $\frac{1}{5} \times 10$
   (c) $\frac{1}{2} \div 3$
   (d) $\frac{1}{3} \div 2$

   Answer: _____

7. Tom ate $\frac{1}{4}$ of a cake. Sara ate $\frac{3}{8}$ of it. What fraction did they eat? What fraction is left?

   Answer: _____

8. A ribbon $\frac{1}{2}$ m long is cut into 4 equal pieces. How long is each piece?

   Answer: _____

9. Without calculating exactly, is $\frac{5}{8} + \frac{1}{4}$ more or less than 1? Explain.

   Answer: _____

10. Hamid has RM60. He spends $\frac{2}{3}$ of it. How much does he spend? How much is left?

    Answer: _____

11. Which is larger, $\frac{9}{4}$ or $2\frac{1}{2}$? Explain.

    Answer: _____

12. A family uses $\frac{1}{3}$ of a bag of rice each day. How many bags do they use in 4 days?

    Answer: _____

6. Subtract.
   (a) $\frac{5}{6} - \frac{1}{4}$
   (b) $2\frac{1}{2} - 1\frac{2}{3}$

   Answer: _____

7. Multiply. Give answers as mixed numbers.
   (a) $\frac{3}{8} \times 4$
   (b) $\frac{2}{5} \times 6$

   Answer: _____

8. Divide.
   (a) $\frac{3}{4} \div 3$
   (b) $\frac{4}{5} \div 2$
   (c) $\frac{2}{3} \div 4$

   Answer: _____

9. Without calculating exactly, is $\frac{7}{8} + \frac{5}{6}$ more or less than 2? Then calculate it.

   Answer: _____

10. Mei has RM60. She spends $\frac{2}{5}$ of it on a book and $\frac{1}{4}$ of it on lunch. How much money is left?

    Answer: _____

Topic 3: Multiplying and dividing

1	**56, 54, 8, 8**	Times-table facts.
2	**140**	(4 × 5) × 7 = 20 × 7 = 140.
3	**900**	(2 × 50) × 9 = 100 × 9 = 900.
4	**Estimate 960; answer 952**	200×4=800, 30×4=120, 8×4=32 → 952.
5	**Estimate 3600; answer 3642**	600×6=3600, 7×6=42 → 3642.
6	**24**	80 ÷ 4 = 20, 16 ÷ 4 = 4 → 24.
7	**14 r 1**	6 × 14 = 84, 85 – 84 = 1.
8	**12 full trays, 3 eggs left**	75 ÷ 6 = 12 r 3 (6 × 12 = 72).
9	**RM272**	34 × 8 = 30×8 + 4×8 = 240 + 32 = 272.
10	**Yes**	98 is close to 100 and 9 × 100 = 900. (Exact: 882.)
11	**12**	84 ÷ 7 = 12 (7 × 12 = 84).
12	**12**	96 ÷ 8 = 12 (12 × 8 = 96).

Topic 4: Multiples, factors and divisibility

1	**7, 14, 21, 28, 35, 42**	
2	**1, 2, 3, 4, 6, 8, 12, 24**	Pairs: 1×24, 2×12, 3×8, 4×6.
3	**1×36, 2×18, 3×12, 4×9, 6×6**	
4	**12, 24, 36**	18 and 30 are not multiples of 4.
5	**factor; multiple**	7 × 8 = 56.
6	**150, 375, 1000**	They end in 50, 75 and 00.
7	**350, 700, 1250**	They end in 50 or 00.
8	**3400, 4300**	They end in 00.
9	**400, 250**	Divisible by 10: 120, 400, 250. Divisible by 25: 400, 75, 250. Both: 400 and 250.
10	**40**	Multiples of 5 between 30 and 50: 35, 40, 45. Only 40 is a multiple of 4.
11	**2, 3 or 6**	Factors of 18: 1,2,3,6,9,18. Factors of 30: 1,2,3,5,6,10,15,30.

Topic 5: Place value, ordering and rounding

1	**6000 (six thousand)**	The 6 is in the thousands place.
2	**3000**	The 3 is in the thousands place.
3	**470, 4700, 36, 58**	Digits move one or two places.
4	**5000 + 200 + 60 + 3**	

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